

19990222.qrp v01_n375.qrl.990222

Date: Mon, 22 Feb 1999 19:03:19 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1375

QRP-L Digest 1375

Topics covered in this issue include:

- 1) [33743] New QRP web page...
by sda <sda@bellsouth.net>
- 2) [33744] Re: copper rod vs copper PIPE for ground
by "KARL B. STADDON" <ve6kbs@agt.net>
- 3) [33745] Re: copper rod vs copper PIPE for ground
by Arthur Moe <kb7ww@chatusa.com>
- 4) [33746] Does KC-2 work with HW-8 VFO?
by RadioKOL@aol.com
- 5) [33747] Mercury sale closed early.
by "Ed Tanton" <n4xy@mindspring.com>
- 6) [33748] RE: copper rod vs copper PIPE for ground
by "Holland, Steve" <sholland@homewireless.com>
- 7) [33749] Canadian Fox Alert
by Paul Erickson <paule@sfu.ca>
- 8) [33750] Orlando HamCation Vendor
by Tom Palmer <n1tp@worldnet.att.net>
- 9) [33751] ARRL DX Fun
by Larry Cahoon <wd3p@juno.com>
- 10) [33752] WTB NC20...2nd call
by Mighty Mik <mitymik@hooked.net>
- 11) [33753] Fw: New QRP web page...
by Fred J Kalt <w2xn@juno.com>
- 12) [33754] Contest
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 13) [33755] FS: OHR 100 & SCAF
by Bob Hightower <ki7mn@extremezone.com>
- 14) [33756] Mercury Paddle Sale
by Roy Lincoln <wa4dou@usa.net>
- 15) [33757] DX Test Results - W5VBO
by Brian Kassel <bkassel@dancris.com>
- 16) [33758] Doc K0EVZ
by "Steve Miller" <kg7pv@hevanet.com>
- 17) [33759] PORTABLE ANTENNA MAST
by Tom Palmer <n1tp@worldnet.att.net>
- 18) [33760] FS: OHR400/KC-2
by Paul Erickson <paule@sfu.ca>
- 19) [33761] Atlanticon Prize Drawings

- by "George Heron" <gheron@nac.net>
- 20) [33762] Re: K2 SSB option
by "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
- 21) [33763] NW-80
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 22) [33764] Order Status for FB40, Amps, & AOK
by "George Heron" <gheron@nac.net>
- 23) [33765] NE602 / 612 Replacement ??
by "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
- 24) [33766] k4msw page update
by sda <sda@bellsouth.net>
- 25) [33767] NC20 complete!
by Jeff Logullo <jeff.logullo@Central.Sun.COM>
- 26) [33768] Anyone have a left over 10-turn pot?
by sda <sda@bellsouth.net>
- 27) [33769] Re: NorCal 20 -BF0 setting
by Gary L Surrency <gsurrency@juno.com>
- 28) [33770] NC20 TX LPF alignment typo
by Gary L Surrency <gsurrency@juno.com>
- 29) [33771] Trade: Vibrokeyer paddles for 2M mobile
by Vic Rosenthal <rakefet@rakefet.com>
- 30) [33772] Re: Anyone have a left over 10-turn pot?
by Mont Pierce <mont@inreach.com>
- 31) [33773] K0EVZ
by Jay Bromley <w5jay@alltel.net>
- 32) [33774] Copper pipe for ground rod
by Mike Czuhajewski <wa8mcq@erols.com>
- 33) [33775] Russellville
by Jay Bromley <w5jay@alltel.net>
- 34) [33776] Re: Anyone have a left over 10-turn pot?
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 35) [33777] HAARP test....new news?
by N7YA@aol.com
- 36) [33778] Re: NE602 / 612 Replacement ??
by "Radman" <radman@best.com>
- 37) [33779] C6AKQ SO SB LP 40M
by Bob Patten <n4bp@bc.seflin.org>
- 38) [33780] Re: copper rod vs copper PIPE for ground
by Michael Neverdosky <MichaelN@cycat.com>
- 39) [33781] Re: Orlando HamCation Vendor
by Michael Neverdosky <MichaelN@cycat.com>
- 40) [33782] Re: Mercury sale closed early.
by "Francis Callahan" <colcal@srv.net>
- 41) [33783] Re: NE602 / 612 Replacement ??
by Chris Cartwright <ccart@dns.vidtel.com>
- 42) [33784] Ground pounders
by "The one and only!" <mitch96@pobox.com>
- 43) [33785] Re: Thanks and a quick? [Re: NC20]

by DNT1@daimlerchrysler.com

44) [33786] Re: Atlanticon Prize Drawings
by "Paul Helbert, Wv3j" <phelbert@rica.net>

45) [33787] Re: Anyone have a left over 10-turn pot?
by Bruce Muscolino <w6toy@erols.com>

46) [33788] Re: NE602 / 612 Replacement ??
by Rod Cercone <rlc@frii.com>

47) [33789] Re: Copper pipe for ground rod
by Chuck Carpenter <w5usj@unicomp.net>

48) [33790] Re: NC - 20 a beginning
by Rod Cercone <rlc@frii.com>

49) [33791] NT+ FOX this week!
by applitech@mcg.net (Claton Cadmus)

50) [33792] Re: Anyone have a left over 10-turn pot?
by mwattcpa@earthlink.net (Marty Watt)

51) [33793] NC-20 Sale
by "Holland, Steve" <sholland@homewireless.com>

52) [33794] re: UPS vs. USPS
by rspenc@creighton.edu

53) [33795] RE: Copper pipe for ground rod
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

54) [33796] NC20 Sideband Selection
by Bill Jones <kd7s@psnw.com>

55) [33797] Re: NE602 / 612 Replacement ??
by Russ Hines <radioruss@fuse.net>

56) [33798] Re: Anyone have a left over 10-turn pot?
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>

57) [33799] Fw: my 1340 does not work
by "Nathan Gordon" <kf9li@msn.com>

58) [33800] Where to find 1 watt 50 ohm resistors?
by Jeff <fantbb@yahoo.com>

59) [33801] Re: Anyone have a left over 10-turn pot?
by "Chris Cieslak" <ccieslak@law.uiuc.edu>

60) [33802] Re: NE602 / 612 Replacement ??
by Rod Cercone <rlc@frii.com>

61) [33803] FS: NorCal Cascade Kit
by SKIPNC90@aol.com

62) [33804] NC-20 HELP
by Brad Mugleston <bmug@gwl.com>

63) [33805] DX Test
by CQCL@aol.com

64) [33806] Re: Copper pipe for ground rod
by Ed Loranger <we6w@juno.com>

65) [33807] Norcal QRPizza Tomorrow!
by James Bennett <jwbennett@sprintmail.com>

66) [33808] NE602-SA612
by Roy <marion@montana.com>

67) [33809] NC20 DX Contest

by flydnq7x@primenet.com (Floyd Smithberg)

68) [33810] Re: Anyone have a left over 10-turn pot?
by Bruce Muscolino <w6toy@erols.com>

69) [33811] Miliwatt'en
by "David Hurley, n2zhy" <n2zhy@amsat.org>

70) [33812] Homemade ladder line
by "Frank Grigaliunas" <fgrig@iea.com>

71) [33813] Jersey Fireball
by "David Hurley, n2zhy" <n2zhy@amsat.org>

72) [33814] Re: Homemade ladder line
by Vic Rosenthal <rakefet@rakefet.com>

73) [33815] Re: Homemade ladder line
by Vic Rosenthal <rakefet@rakefet.com>

74) [33816] NE-602s for \$1.99 ea....
by "Radman" <radman@best.com>

75) [33817] Re: Homemade ladder line
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>

76) [33818] re: UPS vs. USPS
by "Brad Bradfield, PE" <b_bradfield@yahoo.com>

77) [33819] Re: Homemade ladder line
by W5TB <w5tb@SoftHome.net>

78) [33820] Jersey on 10M at 1320Z 2/22/99
by Zack Lau <zlau@arrl.org>

79) [33821] 15-M MFJ CW rig
by RangerSF5@aol.com

80) [33822] FS ARGOSY 525
by RangerSF5@aol.com

81) [33823] Re: Norcal QRPizza Tomorrow!
by jeverhar@cse.l-3com.com

82) [33824] Re: I DID IT!! I PASSED MY EXTRA!!
by "Arthur G. Silvers" <ags@ieee.org>

83) [33825] Re: Homemade ladder line
by Ray Colbert <af852@rgfn.epcc.edu>

84) [33826] Re: UPS vs. USPS
by Jim Lowman <jmlowman@ix.netcom.com>

85) [33827] TENTEC 2M Sold
by "Chris Cieslak" <ccieslak@law.uiuc.edu>

86) [33828] USP / USPS / etc
by malman@world.std.com (joel malman)

87) [33829] FS ARGOSY 525
by RangerSF5@aol.com

88) [33830] N7IR ARRL DX CW SO QRP
by Gary Hembree <gary.hembree@asu.edu>

89) [33831] FS Sierra Cabinet
by Joseph Mikuckis <k3chp@erols.com>

90) [33832] Re: USP / USPS / etc
by Scott Howell <showell@hq.nasa.gov>

91) [33833] Re: GQRP - Surface mount projects, almost painless, maybe?

by Dick Pascoe <Dick@kanga.demon.co.uk>
92) [33834] FW: DL-QRP-PA
by Thaire Bryant <tbry37@ici.net>
93) [33835] Grounds and ground rods.
by "Bruce" <Bruce2@prodigy.net>
94) [33836] Re: Order Status for FB40, Amps, & AOK
by "George Heron" <gheron@nac.net>
95) [33837] Earthing
by dave.g@dja@psilink.co.uk (Dave Ackrill)
96) [33838] Re: Grounds and ground rods.
by Michael Neverdosky <MichaelN@cycat.com>
97) [33839] Re: Where to find 1 watt 50 ohm resistors? FOUND!
by Jeff <fantbb@yahoo.com>
98) [33840] Stripboard Magic
by Bill Jones <kd7s@psnw.com>
99) [33841] RE: Earthing
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
100) [33842] ground wires
by Andy C Meng <andymeng@juno.com>
101) [33843] Re: PORTABLE ANTENNA MAST
by Donald E Sanders <w4bws@juno.com>
102) [33844] Re: Copper pipe for ground rod
by Marv Fagenson <k6hcj@juno.com>
103) [33845] Re: GQRP - Surface mount projects, almost painless, maybe?
by "Tony Fishpool" <g4wif@btinternet.com>
104) [33846] Re: Anyone have a left over 10-turn pot?
by DYARNES@aol.com
105) [33847] Re: Homemade ladder line
by applitech@mcg.net (Claton Cadmus)
106) [33848] Portable QRP antenna question
by "KQ6XY" <kq6xy@goldrush.com>
107) [33849] Re: PORTABLE ANTENNA MAST
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
108) [33850] Nifty Flashing light.....
by John M Andrews <n5inz@juno.com>
109) [33851] Re: Homemade ladder line
by Vic Rosenthal <rakefet@rakefet.com>
110) [33852] WHAT WAS I THINKING?
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
111) [33853] Re: GQRP - Surface mount projects, almost painless, maybe?
by Ron Stark <ku7y@dri.edu>
112) [33854] Re: Homemade ladder line
by Vic Rosenthal <rakefet@rakefet.com>
113) [33855] Re: Homemade ladder line
by applitech@mcg.net (Claton Cadmus)
114) [33856] Paragon on QRP
by Peter James <mrpj@mindspring.com>

Date: Sun, 21 Feb 1999 18:08:51 -0600
From: sda <sda@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [33743] New QRP web page...
Message-ID: <199902220008.TAA28374@mail3.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi ya'll:

I am working on a new QRP web page. I am rather new to the hobby, but one thing I noticed is that there is a whole lotta stuff on QRP but it is scattered all over the net! So, I got all compulsive and did a "comprehensive" links/pictures thing. =) This is just the beginning...hope to continue adding/updating stuff.

Check it out: <http://www.qsl.net/~k4msw>

Comments, suggestions, criticism welcome. Hold the flames though, please!

Peace and 73.

Todd Atkins, K4MSW
Baton Rouge, Louisiana

Date: Sun, 21 Feb 1999 17:13:00 -0700
From: "KARL B. STADDON" <ve6kbs@agt.net>
To: rhands@hwcen.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33744] Re: copper rod vs copper PIPE for ground
Message-ID: <36D0A10B.2E184D88@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ron, qsl on using a pipe to pound down ground rods - I've got one and it works great.

Our ground rods in Calgary come with a bevelled tip at about a 45 degree angle. If you take a nut which has outside dimensions greater than the ground rod and an inside diameter less than the ground rod and place it on the bevelled tip the rod will drive much faster. You give up the "earth splitting" capability of the bevelled tip in return for a hole which is slightly larger than the ground rod. The upshot is less drag on the shaft of the ground rod and hence much less effort and time to drive the rod in. The ground rod supplier told me about this trick; I was skeptical until I did tests with and without the nut placed over the bevelled tip; then I became a believer.

Cheers de KARL, VE6KBS, CALGARY, AB

Ronald Hands wrote:

```
> Chuck Carpenter <w5usj@unicomp.net> wrote:
> >
> > Around here, the power companies allow both copper clad rods and
> > galvanized
> > rods and they specify driven and not suckered.
> >
> > When I put in an 8-ft copper clad ground rod many years ago, a friend
> > lent me his home-made rod driver which consisted of a 2.5 or 3 foot length
> > of very heavy pipe, probably 2 or 3 inches in diameter, with a cap welded
> > over one end and handles welded on both sides.
> > It just slipped over the end of the ground rod and was alternately
> > lifted and dropped, like a pile driver, pounding the ground rod into the
> > ground (which is heavy clay around here). I found it much easier than
> > trying to hit the end of the rod with a sledgehammer, while perched on a
> > stepladder.
> > Of course, the last few feet had to be done with a sledge, but at least
> > by then you're working at ground level.
> > I imagine this is a standard tool for electricians. If it isn't, it
> > should be <g>.
> >
> -- Ron VE3SP
> Hamilton, ON
```

Date: Sun, 21 Feb 1999 16:27:12 -0800
From: Arthur Moe <kb7ww@chatusa.com>
To: rhands@hwcnc.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33745] Re: copper rod vs copper PIPE for ground
Message-ID: <36D0A460.75D8E59C@chatusa.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you are lucky enough to live near farm country, these can be found at a farm supply store. They are used to drive metal "T" fence posts. This might be a good buy for a local club to make and then rent it to the members.

Art
KB7WW

Ronald Hands wrote:

>
> Chuck Carpenter <w5usj@unicomp.net> wrote:

> When I put in an 8-ft copper clad ground rod many years ago, a friend
> lent me his home-made rod driver which consisted of a 2.5 or 3 foot length
> of very heavy pipe, probably 2 or 3 inches in diameter, with a cap welded
> over one end and handles welded on both sides.
> It just slipped over the end of the ground rod and was alternately
> lifted and dropped, like a pile driver, pounding the ground rod into the
> ground (which is heavy clay around here). I found it much easier than
> trying to hit the end of the rod with a sledgehammer, while perched on a
> stepladder.
> Of course, the last few feet had to be done with a sledge, but at least
> by then you're working at ground level.
> I imagine this is a standard tool for electricians. If it isn't, it
> should be <g>.
>
> -- Ron VE3SP
> Hamilton, ON

Date: Sun, 21 Feb 1999 19:38:54 EST
From: RadioKOL@aol.com
To: qrp-1@lehigh.edu
Subject: [33746] Does KC-2 work with HW-8 VFO?
Message-ID: <34c8ece3.36d0a71e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

If I understand the specs correctly, the Wilderness KC-2 freq. counter maxes out at 6.4 MHz and the HW-8 VFO runs at 8.xx MHz, which means that the KC-2 will not work for that function on the HW-8. Does anyone else know otherwise?

Thanks in advance for the help.

Bill Nickrand

Date: Sun, 21 Feb 1999 19:58:52 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "CW Reflector" <cw@qth.net>
Cc: "SEDXC" <SEDXC@contesting.com>, "QRP-L Reflector" <qrp-l@Lehigh.EDU>, "BA Swaplist" <baswaplist@foothill.net>
Subject: [33747] Mercury sale closed early.
Message-ID: <006101be5dfe\$83fdfe90\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Due to the feelings I have about the situation that developed over the Mercury sale, I am closing this whole business now. I have a buyer who is not "just a collector" and am very pleased that my Mercury will have a new home, where it will continue to be appreciated. Since no multiple bids were allowed, this should not present anyone with a problem-if you wanted it, you should already have made your bid. More than the one bid was received, and the highest bidder was the person described above. If he chooses to identify himself that is his business-and fine with me-but I won't.

FYI, there was a good deal of support for this sale, both where-and how-it was done. The numbers on this were ~ 95 for / 05 against, more or less. Thanks to all of you who told me to not worry about the grouches.

Two things about the sale I would like to point out: 1) I said I was offering it here 1st because I hoped I would not have to take it to ebay. That worked out. 2) I said you should make your offer-even if you did not want to pay my "minimum". That also turned out to be true. I am pleased; the buyer is pleased. I guess everybody's pleased except the grouches... but such is their lot.

72 / 73 Ed N4XY

Ed Tanton N4XY EMAIL: n4xy@mindspring.com
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

~~~~~  
"Think you can, think you can't:  
either way you're right!" Henry Ford  
~~~~~

Date: Sun, 21 Feb 1999 19:58:16 -0500
From: "Holland, Steve" <sholland@homewireless.com>
To: "'Arthur Moe '" <kb7ww@chatusa.com>, "'Low Power Amateur Radio Discussion '"
<qrp-l@Lehigh.EDU>
Subject: [33748] RE: copper rod vs copper PIPE for ground
Message-ID: <405B5E006B99D2119DF200104BC8A3B218AA1A@GA_HWN_EXG2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

These rod drivers can be picked up at your local Home Depot store for about
seventeen dollars. A good investment as they last forever.

Steve K4AH
QRP-L # 555
NNN00NT

Date: Sun, 21 Feb 1999 17:02:10 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: qrp-l@lehigh.edu (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada)
Subject: [33749] Canadian Fox Alert
Message-ID: <199902220102.RAA22811@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, it is my turn in the hot seat. I will be running starting
at 0100z Feb.24 (that is tuesday evening Feb. 23 in North
America). Catch me if you can.

I will be operating from a friends place, using a ts850
cranked down to 5 watts, and a 2 element klm at about 70ft.

Please send your call only once!!!!!! Those of you with the
capability, please spread out. I will be listening initially
up about 500hz to 1khz, which should make it a little easier

for those without rit on my frequency.

Given Ron's recent experience it will be interesting to see how the conditions are.

Also, unlike Ron, I am not good at tailending, so I don't recommend it. Hope to get as many of you in the log as possible.

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Sun, 21 Feb 1999 20:07:42 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [33750] Orlando HamCation Vendor
Message-ID: <36D0ADDD.A74D6712@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone who attended the Orlando HamCation last weekend have the name of the vendor that was selling the VHF delta loop antenna with the black telescoping portable tower that extends to 33 feet? The vendor was demonstrating them near the ICOM truck.

Tom, N1TP, Naples, Florida

Date: Mon, 22 Feb 1999 01:17:36 +0000
From: Larry Cahoon <wd3p@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [33751] ARRL DX Fun
Message-ID: <19990222.011737.13974.0.wd3p@juno.com>

The contest is over. It was a fun exercise. When the bands are crowded for the contest you may as well join the fun and work a few new counties. Now I have to see where I stand on DXCC QRP.

If I've made all the corrections for the outdated contest program right

then my score is 100,902 points for 251 QSO's and 134 multiplies in 58 countries.

The program claimed I worked about 11 hours.

Ran it at 5 Watts with the exception of two QSOs - AK and HI. I needed those QRPp for the AK WAS QRPp contest. Ant. for the contest were just simple dipoles.

72 de Larry.....WD3P in MD

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 21 Feb 1999 17:27:50 -0800
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [33752] WTB NC20...2nd call
Message-ID: <36D0B296.1294FCFC@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm looking for a fresh in-the-box unbuilt NC20 to use to drive a 6 meter transverter.

WD8MNV/6 Mick

Date: Sun, 21 Feb 1999 21:29:33 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-1@lehigh.edu
Subject: [33753] Fw: New QRP web page...
Message-ID: <19990221.213857.-733323.4.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Todd,

Nice page. Nice looking, informative, and covers loads of good info.

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

----- Forwarded message -----
From: sda <sda@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Sun, 21 Feb 1999 18:08:51 -0600
Subject: New QRP web page...
Message-ID: <199902220008.TAA28374@mail3.lig.bellsouth.net>

Hi ya'll:

I am working on a new QRP web page. I am rather new to the hobby, but one thing I noticed is that there is a whole lotta stuff on QRP but it is scattered all over the net! So, I got all compulsive and did a "comprehensive" links/pictures thing. =) This is just the beginning...hope to continue adding/updating stuff.

Check it out: <http://www.qsl.net/~k4msw>

Comments, suggestions, criticism welcome. Hold the flames though, please!

Peace and 73.

Todd Atkins, K4MSW
Baton Rouge, Louisiana

Date: Mon, 22 Feb 1999 02:50:16 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [33754] Contest

Message-ID: <00ad01be5e0e\$14563660\$cd42b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Didn't have a lot of time for the contest, but did manage a couple of hours with the NorCal 20. Managed to make 49 dx qso's and 39 total countries. Looks like I'm going to keep it. And I only used the lowly K8FF keyer! Imagine what I could have done with a 'Mercury'.
Steve Sorrell, W8SFF

Date: Sun, 21 Feb 1999 20:01:15 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [33755] FS: OHR 100 & SCAF
Message-ID: <199902220258.TAA28922@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The SCAF filter has been sold. Still have the OHR 100 on 30 Meters for \$90.00 (shipped)
72,73
Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: 21 Feb 99 22:27:17 EST
From: Roy Lincoln <wa4dou@usa.net>
To: <n4xy@mindspring.com>
Cc: qrp-l@lehigh.edu
Subject: [33756] Mercury Paddle Sale
Message-ID: <19990222032717.16747.qmail@www0i.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Ed,
Unless i wasn't paying attention , perhaps i missed the negative commen=

ts
you made reference to, about the sale of your paddle. Or maybe they were =
just
directed to you privately. In any event, they were yours. As i remember i=
t,
the founding precepts of our country included the rights and benefits of =
the
private ownership of property. They include the right to dispose of prope=
rty,
as the owner sees fit. I fail to understand how anyone on this list has a=
ny
right to even an opinion on how you, the rightful owner, should dispose o=
f
your property. You owe no one an explanation of your actions, in that re=
gard.

I hope you'll just ignore the juveniles on this list, rather than be up=
set
by them. The ultimate insult to an idiotic opinion is to ignore it.

73 de Roy Lincoln WA4DOU

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Sun, 21 Feb 1999 20:18:53 -0700
From: Brian Kassel <bkassel@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [33757] DX Test Results - W5VBO
Message-ID: <36D0CC9D.B57170E2@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wow, what a fun event!
Rig: Ten Tec Argosy II Digital @ 5W.
Antennas 3 el tribander at 33' (20, 15, 10) HF-2 vertical (40)

40M 20M 15M 10M All

QSO's 4 30 125 103 263

DX Mult 3 18 39 37 97

Raw score = 76,242 Points

Total time was about 20 hours minus meals etc.

I used the TR contest program with an ancient Compaq 386-25 notebook.

I only searched and pounced, not one CQ.

Folks, the sunspots are BACK!

Highlights:

Worked several JA's that were at 5 watts.

Not being able to discern by signal level the EU DX from the US stations!

I was amazed, once again, how effortless QSO's were, do in a large part to those great DX ops.

I kept checking my power, not really confident that I was running only 5 W.

For you folks who are a bit timid about trying DX contests with QRP, here's proof that you don't need a lot of antenna and \$\$ to have fun working DX with QRP.

And now, for the QSL cards...

Brian W5VB0

Date: Sun, 21 Feb 1999 19:36:48 -0800
From: "Steve Miller" <kg7pv@hevanet.com>
To: "QRP-L : to send msg to list" <qrp-l@lehigh.edu>
Subject: [33758] Doc K0EVZ
Message-ID: <001e01be5e14\$96c36fe0\$1b3ca3ce@kg7pv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Doc,

I don't know why but two messages to you have gone unanswered so I am posting this to the list in the hope that you get it this way. I have gotten all of your messages and none of mine bounced back so I am puzzled. The rig in question is yours for the agreed amount. Please send \$\$ to my

call book address. Or if you want send me another email with your phone #
and I'll call direct to discuss. CU

Steve Miller kg7pv@hevanet.com
Portland,OR

Norcal #308, ARCI #9230, QRP-L # 109

Date: Sun, 21 Feb 1999 22:43:17 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [33759] PORTABLE ANTENNA MAST
Message-ID: <36D0D255.A4E5D32F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone interested in a nifty portable, light weight mast?

check out:

<http://www.bright.net/~kanga/kanga/>

and open the page for DK9SQ Mast

or go direct to:

<http://www.bright.net/~kanga/kanga/dk9sqpic.htm>

Tom, N1TP, Naples, Florida.

Date: Sun, 21 Feb 1999 19:45:12 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: qrp-l@lehigh.edu (qrp)
Subject: [33760] FS: OHR400/KC-2
Message-ID: <199902220345.TAA24914@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have decided to try to sell my ohr400/kc-2 to help finance

a K2. Asking \$300 plus shipping

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Sun, 21 Feb 1999 22:48:19 -0500
From: "George Heron" <gheron@nac.net>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [33761] Atlanticon Prize Drawings
Message-ID: <015a01be5e16\$31fcdfe0\$1c387bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks, there continues to be a growing number of donations for the Atlanticon QRP Forum prize drawings, coming in from vendors, clubs and QRPers alike.

We'll be having prize drawings on Friday evening at the QRP Social gathering and all day Saturday, right up through the Homebrew Contest that evening. The lucky winners getting their Atlanticon badge number drawn from the "official barrel" will be getting any one of a number of very cool prizes.

The donations submitted thus far include:

1. NC20, from NorCal
2. SW-40+, from SWL
3. EMTECH NW80, from ARCI
4. 44-Magnum, from HB Electronics
5. Two "QRPer's Data Books", from Paul Harden
6. ZM-2 ATU, by EMTECH
7. Five Ladder Grabbers, by EMTECH
8. Three "K3CHP's DX QSL GUIDES", from Joe Mikuckis, K3CHP
9. Two one-year membership/renewals to ARCI (QQ subscription), from ARCI
10. Four bundles of QRP Quarterly back issues, from ARCI
11. Two of the "little red keys" from the American Radio QRP Key Mfg Co.
12. Two fully loaded Fireball 40 transmitter kits (includes Amp and TiCK options), from the NJ-QRP Club
13. Two "KE6RIE Rainbow Enclosures" for your Rainbow Tuners, from the NJ-QRP Club

Man, at this rate, nearly *everybody* will be going home with something in addition to their collector's items: the Atlanticon badge and QRP Forum Proceedings! (Note: Winners must be present to collect their prize. Prizes limited one to a winning badge.)

See <http://www.njqrp.org/atlanticon/> for full details of this fun weekend coming next month.

72/73,

--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ
for the NJ-QRP Club at <http://www.njqrp.org>

Date: Sun, 21 Feb 1999 19:58:18 -0800
From: "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
To: rfall@witsend.com
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [33762] Re: K2 SSB option
Message-ID: <36D0D5DA.2B28DFEA@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Rich,

We haven't shipped the SSB option yet, but will do soon. We've been pretty swamped this last month with the first 100 K2's.

I'll make sure to post to the list when we get the SSB option out the door. (I'm sure some of the Field Testers will do so also..)

I have one here for my K2 that I am performing testing with, so keep an ear for me on the bands.

72, Eric

<http://www.elecraft.com>

Date: Sun, 21 Feb 1999 23:02 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: Emtech@steadynet.com, QRP-L@lehigh.edu
Subject: [33763] NW-80
Message-ID: <19990222040249.VMZR26495@localhost>

Scott,
I just thought I would drop you a note and let you know that
I have been playing around with my nw80 for a few weeks now,
and I cant get over how nice it is.
I think it works better than my old Icom 735 did on cw!
A very nice stable small rig. I put a 2 amp hour lead acid battery
in the lid, and it makes for a great little package.

Thanks again for the great kit!
Brett
N2DTS

Date: Sun, 21 Feb 1999 23:28:57 -0500
From: "George Heron" <gheron@nac.net>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [33764] Order Status for FB40, Amps, & AOK
Message-ID: <01d201be5e1b\$df663d20\$1c387bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The general status for shipping all outstanding kit orders
from the NJ-QRP Club is looking real good for this coming
week. All parts are expected to be in by week end, and the
Jersey QRPers have a kitting party scheduled for the weekend
where we'll be getting everyone's orders packaged and into
the mail. Thanks for everyone's patience!

To find out if your FIREBALL 40 order has been received, put
SEND FB40REVB in the body of an email and send it to
EMBOT@NJQRP.ORG to receive the complete list of orders by
return email almost instantaneously.

To find out if your FB40 AMPLIFIER order has been received,
put SEND FB40AMP in the body of an email and send it to
EMBOT@NJQRP.ORG to receive the complete list of orders by

return email almost instantaneously.

To find out if your Rainbow "Add-On Kit" order has been received, put SEND AOK in the body of an email and send it to EMBOT@NJQRP.ORG to receive the complete list of orders by return email almost instantaneously.

Please contact us if you have any questions, or if you sent an order in and you are not listed. Orders received by Friday 2/26 will also be able to be shipped over the weekend!

72/73,

--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ
for the NJ-QRP Club at <http://www.njqrp.org>

Date: Sun, 21 Feb 1999 23:57:02 -0800
From: "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
To: <QRP-L@LEHIGH.EDU>
Subject: [33765] NE602 / 612 Replacement ??
Message-ID: <000501be5e38\$f36dee40\$4bdd4d0c@garymcca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While fooling around with my 38S I managed to blow an NE612.....Mouser does not sell this IC. Are they no longer made.....and is there a replacement?

Thanks

Gary
W2UX
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

Date: Sun, 21 Feb 1999 23:05:28 -0600
From: sda <sda@bellsouth.net>

To: qrp-1@Lehigh.EDU
Subject: [33766] k4msw page update
Message-ID: <199902220504.AAA19005@mail2.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks for the feedback, everyone. Wow, 100 hits in one night! I went ahead and altered the look of the thing because a few people said it was hard on the eyes, and it was.

Will get around to alphabetizing links when I can. Would like to add many more pictures of rigs with links. If you have a better picture of a stock front panel of any of the rigs I have listed, please send it to me--particulary the ark.

Future plans for the page:

1. Links to personal QRP pages
2. Links to modification pages
3. Larger photo gallery of rigs
4. Listing of QRP publications / subscription information
5. Announcements of current/upcoming events

Future plans for me:

1. To upgrade to general class in 2 weeks
2. To build and operate every qrp rig on my webpage :-)
3. To figure out a way to get to Atlanticon
4. To help in forming a QRP club here in baton rouge
5. To get 200-300 feet of #14 copper wire to lay the ground radials in my back yard so i can finally put up my butternut HF9V!!!
6. To be able to copy code in my head

Peace and thanks again for the feedback. 72/73,
Todd K4MSW

Date: Sun, 21 Feb 1999 23:09:49 -0600
From: Jeff Logullo <jeff.logullo@Central.Sun.COM>
To: qrp-1@lehigh.edu
Subject: [33767] NC20 complete!
Message-ID: <36D0E69C.46F2D758@central.sun.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Late Friday night, I took off the magnifiers, sat back in my chair, and let out a little sigh. My NC20 sat there, looking back at me, expectantly. Hello, world!

I see I'll have to go through and re-tune, following Gary's excellent tips. Hmm, have to paint that case, too!

I'd like to say thanks to everyone on QRP-L who took the time to answer my questions as I went along. I tried to be sure to send personal thanks, but if I missed anyone, I hope you'll accept my gratitude. The folks on QRP-L are top-notch, and I'm grateful to you all.

One final round of thanks also to the NC20 team. I hope to meet you on the air soon!

73,
Jeff NOMII

Date: Sun, 21 Feb 1999 23:07:27 -0600
From: sda <sda@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [33768] Anyone have a left over 10-turn pot?
Message-ID: <199902220506.AAA19521@mail1.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Are any of those 10-turn pots from the group buy left over?
I would be interested if anyone has one to sell.

Peace,

Todd, K4MSW
<http://www.qsl.net/~k4msw>

Date: Sun, 21 Feb 1999 22:16:20 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: bcotter@pop.uky.edu
Cc: qrp-l@Lehigh.EDU, gsurrency@juno.com

Subject: [33769] Re: NorCal 20 -BFO setting
Message-ID: <19990221.221620.-4059263.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bill,

Based on some early tests, it would seem that a BFO setting that produces a 700-720 Hz audio tone is the optimum frequency that produces the loudest audio signal on a received signal. I tried today to take some more measurements on the optimum BFO frequency, but I ran out of time with other things to do so the results are inconclusive. Setting the BFO trimmer and taking accurate audio level readings is time consuming and a little difficult do to the behavior of the small trimmer cap. ;-)

Once the desired signal is centered in the passband of the IF filter, the best BFO setting is dependent upon the audio passband of the succeeding audio stages. This adjustment can make a lot of difference in the performance of any rig, so it is worth taking some time to get it right.

Each time I have tried adjusting the BFO to produce more or less than about a 700 Hz audio tone, I ended up with a somewhat lower audio output level. The TiCK sidetone seems to measure at about 601 Hz on my prototype. Setting the BFO so that it matches that frequency results in only a small reduction in received signal output, and it is probably insignificant for all practical purposes. The manual states on page 2 that the passband of the audio filter/amplifier is centered around 700 Hz, with a Q of 5 and a gain of approx. 30 db. This agrees with my observations.

My preferred CW tone is also toward a little lower frequency, but so far I have adjusted OK to the slightly higher beat note. I tend to slightly change the received signal tone frequently to avoid fatigue, so it's not a big issue with me. I enjoy the sharp selectivity very much when the band is crowded with signals. It performed very well during the FYBO contest.

The performance of the prototype I have, and the final kit is very good, with the opposite sideband suppression being excellent even on very strong signals.

Observations from other NC20 owners on this subject or other operational observations are welcome. Your feedback is welcome.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 21 Feb 1999 22:33:42 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-l@lehigh.edu
Subject: [33770] NC20 TX LPF alignment typo
Message-ID: <19990221.223343.-4059263.1.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

In my other post, there is a typo in the following text:

>The turns on L7 are near the upper half of the core, and on L7 the
windings are >evenly space around the entire core.

That should read:

The turns on L7 are near the upper half of the core, and on *L6* the
windings are evenly spaced around the entire core.

Sorry for the error. My 13 month old was screaming in the background as I
wrote this, making it hard to concentrate! ;-)

See you on 20m.

72, es gl.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 21 Feb 1999 21:31:13 -0800

From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33771] Trade: Vibrokeyer paddles for 2M mobile
Message-ID: <36D0EBA1.3836BD86@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would like to trade an absolutely perfect set of chrome Vibroplex Iambic paddles (Vibrokeyer Deluxe) for a good 40 or 50-watt 2-meter mobile transceiver. These paddles do not have a scratch on them; I would say 'mint' if I had the original box.

I don't need the paddles because my WBL paddles are coming next week (after almost 10 months of patient [ha ha] waiting)!

I need the transceiver so I can get into arguments about whether a 5 watt DX QSO obtained with the help of a 50-watt packet link counts as QRP.

73,
Vic, K2VCO
Fresno CA

Date: Sun, 21 Feb 1999 22:18:12 -0800
From: Mont Pierce <mont@inreach.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33772] Re: Anyone have a left over 10-turn pot?
Message-ID: <36D0F6A4.6A2C9E82@inreach.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Me too please.

73,
km6wt

sda wrote:

>
> Are any of those 10-turn pots from the group buy left over?
> I would be interested if anyone has one to sell.
>
> Peace,
>

> Todd, K4MSW
> <http://www.qsl.net/~k4msw>

Date: Mon, 22 Feb 1999 00:20:41 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33773] K0EVZ
Message-ID: <36D0F739.F4127C3D@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Doc,
I did the same now I wonder if something is wrong?
73 de w5jay..

Date: Mon, 22 Feb 1999 01:19:22 -0500
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-1@lehigh.edu>
Subject: [33774] Copper pipe for ground rod
Message-ID: <36D0F6EA.26DF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yup, using water pressure to drive a piece of copper pipe into the ground is a great idea and has been around for quite a while. And those who subscribe to the QRP Quarterly can even see a photo of an adapter for your hose on page 10 of the January 1999 issue, in my Idea Exchange column, provided by Larry East, W1HUE. (He says that he made the adapter shown in the photo 15 years ago and has used it to drive many "ground rod" copper pipes.)

--
73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Mon, 22 Feb 1999 00:44:10 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33775] Russellville

Message-ID: <36D0FCB9.EA2FFBE@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Just wanted to thank all that attended the QRP forum at the Russelville Hamfest! I am always worried about no one showing up. As always the QRP group is very supportive of gatherings like this. We had over thirty people show up and like last year was one if not the one of the most attended forums. We had several stations set up for people to give their hand at qrp on twenty meters during the DX contest. W0LK showed up with a beautiful Oak Hills 100A station complete with DD-1 and WM-1. We also had my Sierra, an MFJ station and KK5KU's Emtech. We had a load of fun and a ton of people past though before the forum got under way. To those that made it, a big thank you for making the event a success. Now on to Fort Smith, more announcements coming!!

73 de w5jay..

Date: Sun, 21 Feb 1999 23:12:21 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <mont@inreach.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33776] Re: Anyone have a left over 10-turn pot?
Message-ID: <19990222071314.BNIK5469@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I didn't join the group buy either, but I did order one from Mouser to go with the NC20. Item# 569-7286---10K, cost about \$11.50 plus shipping and tax (if you live in a state that has a Mouser store).

Final price tag about \$15. BUT, for a rig like the NC20 -- you want to make it as special as possible and adding the 10-tun pot really makes a difference according to the people who have already built theirs (I have not built mine yet).

DISCLAIMER: I don't work for Mouser, etc., but I call 'em at 800-346-6873 too often!!!!!!!

Best 72/73 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Mon, 22 Feb 1999 02:15:17 EST
From: N7YA@aol.com
To: qrp-1@lehigh.edu
Subject: [33777] HAARP test....new news?
Message-ID: <7f93e2a.36d10405@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone hear any more about this?

<< HAARP listening test set: The High Frequency Active Auroral Research Program (HAARP) facility in Gakona, Alaska, will conduct a second HAARP Listening Test in mid-March, seeking reports from hams and SWLs in Alaska and in the "Lower 48." Exact times and dates are not known at this time, but will be announced as soon as they are available. Transmissions will be on or near 3.4 MHz and 6.99 MHz. HAARP will send a CW message and request signal strength reports. QSLs will be available only for reports mailed to HAARP, PO Box 271, Gakona, AK 99586.--HAARP
>>

73...Adam, N7YA

Date: Sun, 21 Feb 1999 23:28:15 -0800
From: "Radman" <radman@best.com>
To: <MAIL4GARY@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33778] Re: NE602 / 612 Replacement ??
Message-ID: <199902220726.XAA00959@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gary et al,

According to an article in March, '99 "Electronics Now" magazine -- the NE-602 is no longer manufactured. Contact:

JDR Microdevices, 1850 South 10th St, San Jose, CA 95112
or call 1-800-538-5000. They apparently have residual
inventory.

The same article states that the SA-602 is the drop-in
replacement and is still in manufacture -- presumably
available from JDR.

Hope this helps,

GL - Conrad Weiss - NN6CW

While fooling around with my 38S I managed to blow an
NE612.....Mouser does not sell this IC. Are they no
longer made.....and is there a replacement?

Thanks

Gary
W2UX

Date: Mon, 22 Feb 1999 03:02:42 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Kevin Bunin <sbrowrdbor@aol.com>
Cc: QRP-L Reflector <qrp-l@lehigh.edu>, Florida Contest Group <fcg@qth.net>, Julio
Ripoll <wd4jns@gate.net>, David Novoa <w4dn@sprintmail.com>,
Bruce Phegley <brucep@axsys.net>
Subject: [33779] C6AKQ SO SB LP 40M
Message-ID: <Pine.3.89.9902220241.D3118-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Hi Kevin, Thought you might appreciate a brief report...

Juli dropped me at FLL at 6:45 on her way to work. My 8:20 flight was
postponed until 9:00 and finally cancelled. They booked me on a 10:00
flight which finally got off the ground at 11:00. Will have to check
with other airlines for future trips...

Remember Bodie at Freeport Customs? Well, Friday I tangled with his
supervisor who makes Bodie look like a pussycat! Had to take a taxi
downtown to another customs office to get a signature permitting customs
at the airport to take my deposit. Final result was the same \$200

deposit that I made last year, just more hassle and delay in the process! All went very well once I got to Bell Channel. John helped me get the dipole up - 20 feet above the roof - and the equip worked perfectly. I brought a bare minimum this time, no SWR bridge or tuner. But I even made a few Q's on 15M before the contest with the IC-706MKII. I usually compete with myself in these things to track my progress. So, this year I competed with you. Our progress and final result were very similar. I finished with 1395 Q's and 59 M's for 246K. I had PEI call me just before sunrise on Sunday. Other than the extra mult, we both missed NWT, YT, and LB. I had the advantage of being able to hog the rig for whatever time I could stand. But because of no sleep Friday and not enough Saturday, I crashed Sunday morning from 1AM to 4AM. It seemed like the least productive time on Saturday so hopefully I didn't miss too much. When the rate really slowed Sunday morning, I scanned the band several times and could not find a single station I hadn't already worked. So, I wrapped it up at about 8AM... Going back to FLL was much easier. I recovered my deposit in 15 minutes flat, the weekend guy was much easier to deal with. Not only was my flight not cancelled this time, but even got off the ground ten minutes early. The pilot barreled into FLL and squeeled tires turning into the taxi way. Juli figured he had a hot date..

Rather than type all this twice, I'll CC this to my other DXpedition buddies and to FCG. I also need to post to QRP-L since I worked several of my QRP friends... Each call I recognized from QRP-L, I asked "QRP?", and all but one answered "Yes"...

So what do you want to do next February???

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

o00o-()-o00

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Mon, 22 Feb 1999 11:11:17 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [33780] Re: copper rod vs copper PIPE for ground
Message-ID: <36D0F505.593DBE90@cycat.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

rhands@hwcen.org wrote:

> When I put in an 8-ft copper clad ground rod many years ago, a friend
> lent me his home-made rod driver which consisted of a 2.5 or 3 foot length
> of very heavy pipe, probably 2 or 3 inches in diameter, with a cap welded
> over one end and handles welded on both sides.

This is called a fence pole driver and is available in most hardware stores.

One company here in central Florida that does grounding for a living uses a pneumatic hammer (jack hammer) to drive rods. They use the steel core, copper covered rods that use a coupler to screw 8' lengths together and drive untill the ground resistance meets spec, usually <5 ohms by fall of potential method.

These people often drive as much as 150' to 200' of rod to get a good ground.

If you can install it, a single, deep ground is better for lightning protection than several shorter rods, mainly because you want the current to go deep as soon as possible so that it is not as likely to damage things on the surface.

When you cannot drive a single rod deep enough (rock) then you need to use multiple rods.

Connections in a ground system that are likely to carry any lightning current should be WELDED or BOLTED. Solder will vaporize instantly in a strike.

All connections that are underground MUST be mechanical or welded. RF ground connections above ground can be soldered and may even help limit the amount of a lightning strike that gets to your equipment.

The poor soil here does not protect things. Underground electrical services are often destroyed by lightning strikes.

AEMC is one company that makes equipment for ground resistance testing and they also have a very nice booklet called "Understanding Ground Resistance Testing". They send me a copy for the asking.

<http://www.aemc.com/>

They also have the book on their web page, go to 'technical' then to 'understanding ground resistance testing.'

The way to be sure about your ground is to measure it.

Do NOT trust a cold water pipe as a ground. Pipes are routinely repaired with plastic connections that greatly reduce the grounding efficiency.

michael N6CHV

Date: Mon, 22 Feb 1999 11:28:12 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [33781] Re: Orlando HamCation Vendor
Message-ID: <36D0F8FC.32907CFB@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Try;
<http://www.qsl.net/dk9sq>

michael N6CHV

n1tp@worldnet.att.net wrote:

>
> Does anyone who attended the Orlando
> HamCation last weekend have the name
> of the vendor that was selling the VHF
> delta loop antenna with the black telescoping
> portable tower that extends to 33 feet? The
> vendor was demonstrating them near the ICOM truck.
>
> Tom, N1TP, Naples, Florida

Date: Mon, 22 Feb 1999 04:16:18 -0800
From: "Francis Callahan" <colcal@srv.net>
To: <n4xy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33782] Re: Mercury sale closed early.
Message-ID: <199902221130.EAA09903@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=Default
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Congratulations and glad it went to someone on here rather than on ebay 72
Cal KF7ET

> From: Ed Tanton <n4xy@mindspring.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Mercury sale closed early.
> Date: Sunday, February 21, 1999 4:58 PM
>
> Due to the feelings I have about the situation that developed over the
> Mercury sale, I am closing this whole business now. I have a buyer who is
> not "just a collector" and am very pleased that my Mercury will have a
new
> home, where it will continue to be appreciated. Since no multiple bids
were
> allowed, this should not present anyone with a problem-if you wanted it,
you
> should already have made your bid. More than the one bid was received,
and
> the highest bidder was the person described above. If he chooses to
identify
> himself that is his business-and fine with me-but I won't.
>
> FYI, there was a good deal of support for this sale, both where-and
how-it
> was done. The numbers on this were ~ 95 for / 05 against, more or less.
> Thanks to all of you who told me to not worry about the grouches.
>
> Two things about the sale I would like to point out: 1) I said I was
> offering it here 1st because I hoped I would not have to take it to ebay.
> That worked out. 2) I said you should make your offer-even if you did not
> want to pay my "minimum". That also turned out to be true. I am pleased;
the
> buyer is pleased. I guess everybody's pleased except the grouches... but
> such is their lot.
>
> 72 / 73 Ed N4XY
>
> -----
> Ed Tanton N4XY EMAIL: n4xy@mindspring.com
> 189 Pioneer Trail
> Marietta, GA 30068-3466 TEL: (770)579-3933
>
> -----
> INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
> *BoatAnchors *Test Equipment *Photography
> ~~~~~
> "Think you can, think you can't:
> either way you're right!" Henry Ford
> ~~~~~

>

Date: Mon, 22 Feb 1999 07:49:01 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Gary McCaughey <MAIL4GARY@worldnet.att.net>
Cc: QRP Reflector <qrp-1@lehigh.edu>
Subject: [33783] Re: NE602 / 612 Replacement ??
Message-ID: <Pine.LNX.3.93.990222073722.362A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 21 Feb 1999, Gary McCaughey wrote:

> While fooling around with my 38S I managed to blow an NE612.....Mouser does

B&G Micro <http://www.bgmicro.com> 800-276-2206 lists the NE602A for \$2.25 in their most recent catalog. They take plastic, \$10 min order, free flyer type catalog, and lot of other 'goodies' to fill out the minimum. If you build anything at all, they make it easy to spend \$10 :)

Not a shareholder, no kickbacks, etc...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV/AE ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 22 Feb 1999 07:14:12 -0500
From: "The one and only!" <mitch96@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33784] Ground pounders
Message-ID: <36D14A14.5BD12F92@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who commented on ground system installation. It never cease to amaze me on the width and breadth of the knowledge of the people in this small part of dying hobby....(hope not dying yet!! i have a "few kits and a few antennas" to build).

--

mitch Ww4mL
Hollywood, Fla.

Date: Mon, 22 Feb 1999 07:22:13 -0500
From: DNT1@daimlerchrysler.com
To: qrp-1@Lehigh.EDU
Subject: [33785] Re: Thanks and a quick? [Re: NC20]
Message-ID: <05256720.0043FD91.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Chuck, K5F0 wrote:

> Jeff asked me how I got the heat sink on the transistor.
----- Snip! -----
> Holding the opposite fin with my fingers I just pull GENTLY but with just
> enough force to start the two fins (on opposite sides at 90 degrees
> to the two that I have a grip on) to start coming apart.

Why not just heat the heatsink with a heat gun or in the oven to expand it before slipping it on? Heat it to 150 Deg. in the oven for a half-hour & then use leather work gloves to place it on the transistor case. It'll be a solid fit as it cools & shouldn't do any damage to the transistor. That's the way we put the sinks on metal-cased parts at work for our testers that do 24-7 duty & it works great! It may take a little more time for really thick-finned sinks to expand enough for a slip fit, but they all do & it makes for a great joint once cooled.

72,

Don T. AI4CW QRP-L#1670 Toney, AL EM64pw

Date: Mon, 22 Feb 1999 07:56:50 -0500
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: gheron@nac.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33786] Re: Atlanticon Prize Drawings
Message-ID: <36D15412.1E242076@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Gangue,

N2W, I have the winning number 93. You guys can go to the bar and just skip the prize drawings.

;>) Paul, Wv3j

Date: Mon, 22 Feb 1999 07:51:40 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33787] Re: Anyone have a left over 10-turn pot?
Message-ID: <36D152DC.7BFB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Alan,

What do you mean "if you live in a state that has a Mouser store"? They are a mail order dealer and serve the world, not just an isolated state like Frye's.

73

Date: Mon, 22 Feb 1999 06:09:45 -0700
From: Rod Cerkoney <rwc@frii.com>
To: MAIL4GARY@worldnet.att.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33788] Re: NE602 / 612 Replacement ??
Message-ID: <3.0.5.32.19990222060945.00856550@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:57 PM 2/21/99 -0800, Gary McCaughey wrote:

>While fooling around with my 38S I managed to blow an NE612.....Mouser does
>not sell this IC. Are they no longer made.....and is there a replacement?
>

...

AFAIK the various 602's & 612's are drop in replacements. Two sources I know of are: Debco, www.debco.com & Dan's Small Parts, <http://www.fix.net/dans.html>.

72/3 N0RC
Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Mon, 22 Feb 1999 07:12:03 -0600
From: Chuck Carpenter <w5usj@unicomp.net>
To: wa8mcq@erols.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33789] Re: Copper pipe for ground rod
Message-ID: <3.0.1.32.19990222071203.0069f008@mail.unicomp.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

MIke and Group,

I'd agree that using the hydraulic method to drive a copper pipe into the ground is the easiest method. But you also are not as likely to have a good *earthed* ground because of it.

All the material that would be compacted against the surface of a driven rod is washed away leaving voids along the length. The effectiveness of the ground in contact with the rod is reduced and the ground rod is less useful as a ground. Using a rod with a larger end to reduce the force required for driving also creates a less effective ground. Water company people use such a probe for finding pipes in the ground. The larger end keeps the rod from getting stuck -- i.e., no contact with the small diameter length of the probe rod. (Some material will move back against the rods but it won't be compacted against the surface.)

The maximum effective contact with the material in the ground is why power companies specify that rods must be driven. If all you want is a length of rod down in the ground then the hydraulic method is good. If you want a good ground then drive the rod. Use the techniques mentioned by others to make measurements and compare driving methods.

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: Mon, 22 Feb 1999 06:54:38 -0700
From: Rod Cerkoney <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [33790] Re: NC - 20 a beginning
Message-ID: <3.0.5.32.19990222065438.008657f0@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:29 PM 2/18/99 -0500, you wrote:

...

>Hint #2 - Gotta enlarge the hole for the 10 turn pot - get the UniBit.

I used something called a "Rotary Rasp". Home Depot, Builders Square...etc. have them. I put that on my cordless drill & set the Slip Clutch on the chuck for a very low force. Slowly I "milled" away, from both sides of the panel, enough material to get a nice fit. If I forced the drill a bit too hard and rasp would grab, the slip clutch kicked in--we all know what happens when a drilling tool grabs a piece of sheet metal--:(OUCH!

The rotary rasp left a nice clean hole, and is conical in shape so it can be used to make holes in any DIA. you need.

>OK. So now I get to file a bit on the 10 turn pot lugs so it fits onto the
>pc board

I found that bending the lugs back about 30-45 Deg. and twisting them about 135 Deg., allowed the Pot to fit the board and float around a bit. To get the front panel and controls centered nicely I:

1. Mounted the RIT & Volume Pot. with out soldering them in and added the front panel, leaving the Pot mounting nuts very loose.
2. Installed the top and bottom covers, this pulls every thing into alignment neatly.
3. Snugged up the RIT, Vol. and 10 Turn Pot nuts.
4. Turned the Rig upside down & removed the bottom cover. Leave the top cover on to keep things mechanically stable and aligned.
5. Shifted the board around to center the front panel switches & soldered all pot lugs.

Using this method I got everything to align & center quite nicely.

BTW: The manual says that the 10-turn pot hole must be elongated to allow the 10 turn pot to fit. I did not find this to be necessary. My RIT pot had a fiber terminal mount that rested on the PC board. The resulting distance from the top of the PC board to the shaft centerline allowed the 10-T pot

to fit with a circular hole. In fact, when I finished assembly as above, the Tune pot was off the board by a few 1000th's on an inch.

Hope this is useful to some.

72/3 N0RC
Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Mon, 22 Feb 1999 08:12:35 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [33791] NT+ FOX this week!
Message-ID: <00b501be5e6e\$7b2cce20\$a10a5e2c@groucho>

Hello Fox Hunters,

After a long work related hiatus from being NT+ Fox I will be on two nights this week. I've got a few QSL cards yet to get out from the last hunt and will get them out with the new batch from this week. Rig here is either an Omni D turned down to five watts or a SW40+ at 1.8 watts feeding a 100 foot dipole up about 35 feet or so.

Look for me Tuesday evening this week 19:00 to 21:00 CST (1:00 to 3:00 next day UTC). Will start out around 7.108 MHz.

Also look for me Thursday evening this week 20:00 to 22:00 CST (2:00 to 4:00 next day UTC). Will start out around 7.108 MHz.

I'll call using:
CQ FOX CQ FOX DE KA0GKC KA0GKC K

I will then try and pull a call out of the pack and reply,

URCALL RST #### MN CLA NR 719 URCALL DE KA0GKC KN

Then if you would reply in this double format below it would be helpful to me, (I don't see any reason for me to send double except for the RST as you guys already know the other info) or send RST? RST? if you missed it.

R R RST #### ST ST NAME NAME NR # NR # DE URCALL

And I'll ask for fills or end the QSO with;

TU QRZ FOX DE KA0GKC K

Good luck all the way around, I'll try my best to work you!

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQR P #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 22 Feb 1999 14:31:47 GMT

From: mwattcpa@earthlink.net (Marty Watt)

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [33792] Re: Anyone have a left over 10-turn pot?

Message-ID: <36d169d9.170225377@mail.earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

On Mon, 22 Feb 1999 07:51:40 -0500, Bruce Muscolino <w6toy@erols.com> =
wrote:

>Alan,

>

>What do you mean "if you live in a state that has a Mouser store"? They
>are a mail order dealer and serve the world, not just an isolated state
>like Frye's.

They have to charge sales tax in states where the distribution centers =
are
located.

So, if you live in Texas, expect to pay Texas sales tax. Same for =
customers
in other states where Mouser has distribution centers, regardless of =
where it
is shipped.

--

72 es 73 de Marty, KM7W

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"
Member -- Tennessee Contest Group

Date: Mon, 22 Feb 1999 09:32:35 -0500
From: "Holland, Steve" <sholland@homewireless.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [33793] NC-20 Sale
Message-ID: <405B5E006B99D2119DF200104BC8A3B218AA1D@GA_HWN_EXG2>
MIME-Version: 1.0
Content-Type: text/plain

Gentlemen or otherwise. I have a NC-20 (Un-built) that I had planned to build but it will be months before I have time for it. I will offer it for sale for 24 hours. Make an offer that you think is fair and the highest bidder gets it. I could have put this on E-Bay but I would rather give the list first choice. This should give everyone a fair chance to get it. Good luck. 72/73 de Steve

<<...>>

Steve Holland/K4AH
Senior Technician
QRP-L # 555
NNN00NT Navy MARS
Home Wireless Networks
3145 Avalon Ridge Place, Suite 200
Norcross, Georgia 30071
Voice (770) 797-2058 Fax (770) 729-3080
Email: sholland@homewireless.com

<mailto:sholland@homewireless.com>
www.homewireless.com
<<http://www.homewireless.com>>

Date: Mon, 22 Feb 1999 08:54:22 -0600 (CST)
From: rspenc@creighton.edu
To: qrp-l@lehigh.edu

Subject: [33794] re: UPS vs. USPS
Message-ID: <Pine.HPX.4.05.9902220839420.22071-1000000@bluejay.creighton.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My two cents worth, from experience (seeing this is a popular thread lately).

All of my Norcal kits came Priority mail as promised.... BUT....

I lived in Canada two years doing my postdoctoral work. I sent by USPS priority mail 22 resumes out, only 8 ever made it to their respective receptors. I drove over the border into the US (about a 45 minute trip from Montreal) and in two drops mailed the resumes. Seems that NONE of one bunch ever got there. Of the second group, a majority (8 of about 12) got there. While finishing my thesis I priority mailed a copy of my completed thesis from Utica NY (home home) to Miami FL. It never got there. I had to drive off to the Greater Utica International Airport (joke) to the Fed Ex place and they got it there in one day. Economy, mind you (worth the price). Now in Omaha I sent a defective hard drive Priority Mail to California, right after UPS returned to work. Chose USPS until UPS got going full steam again after the strike. Never got there.

I insured the drive, but it took well over 6 months to get my money from the postal service. In the meantime the item was discontinued. Fortunately I had enough \$\$ to go ahead and order one of the few remaining ones and wait for reimbursement September thru April!!!!). Seems they tried to deliver it on a weekend, no one was there, so they (supposedly) shipped it back to me). Well, it never showed.

My experience-- I never had a problem with UPS except when they misdirected my electronic parts to Bellevue WA rather than Bellevue NE. The long route from Ohio. They owned up to their mistake and the stuff got here-- the online tracking is very useful since I immediately realized the human error they made. And they apologized for the delay. I'd choose UPS over USPS.

Lately my Priority Mail experiences have been much better. But I remain skeptical after my dozen or so lost resumes, and the hard drive. Seemed like the Postal Service was very reluctant to reimburse me for the insured hard drive I sent Priority Mail.

Dr. Richard S. Penc	Amateur Radio: call WK2A
Assistant Professor	Interests: QRP, constructing,
Department of Atmospheric Sciences	6m
Creighton University	

2500 California Plaza	FCC Licenses:
Omaha, NE 68178	General Radiotelephone
	Second Class Radiotelegraph
	Radar Endorsement
phone: (402) 280-2420	Accredited VE: ARRL, W5YI
fax: (402) 280-1731	
email: rspenc@creighton.edu	Certifiably crazy computer geek
richpenc@juno.com	

Date: Mon, 22 Feb 1999 08:56:37 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <grp-1@Lehigh.EDU>
Subject: [33795] RE: Copper pipe for ground rod
Message-ID: <000201be5e73\$8cc9adb0\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I live in an area where there is no "dirt," I have sand just like in a desert. I have lots of grasses, trees, etc. but no "dirt" or rocks. I can dig until my heart's content (attack) with no rock. (actually I have sandstone down about 15 feet.)

I have 40-meter 1/4 wave and 80-meter 1/10 wave verticals. In order to get a decent ground I could not use the "standard" 8' rod. So what I did was dig out a square in the sand that is about two feet deep. Then I created a grid of 1/4" copper pipes directly under the ground mount for each vertical. There is a total of about 25 feet of pipe under each vertical in a square grid with sides about four feet long. I used a bunch of elbows and "T" connectors to make this grid. The connections are soldered with regular lead-free solder (95% tin, 5% antimony). You could use regular lead solder I suppose but it is hard to find in really thick gauge, and it took LOTS of solder on these connections. This grid is NOT in place of a radial system but sits right under it at the mount for the vertical. I still have thirty-two 1/4 wave (plus 5 percent) radials. Although the 80-meter radials are only about 30 feet long

because of the shortened radiator.

Hope this helps.

Kevin, WB5RUE
wb5rue@stic.net

Date: Mon, 22 Feb 1999 07:15:25 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [33796] NC20 Sideband Selection
Message-ID: <36D1748D.17F0C200@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gentlemen,

I sincerely appreciate the replies to my question about sideband selection with the NorCal20. The consensus seems to be that either sideband can be used as long as the transmit offset is adjusted correctly as outlined in the construction manual.

My reason for asking is that I am running RTTY, Pactor and AMTOR on my NC20 and the software defaults to USB. Details will be forthcoming as soon as a few minor technical difficulties are resolved.

Date: Mon, 22 Feb 1999 10:18:55 -0500
From: Russ Hines <radioruss@fuse.net>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33797] Re: NE602 / 612 Replacement ??
Message-ID: <36D1755F.3A615070@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Radman, Gary, et al:

The SA602/612 is a direct replacement. It's the same chip, just industrial

specs (wider temp range mostly). I've had good luck with Allied Electronics. They have them in stock for reasonable prices. Check out

<http://www.allied.avnet.com/>

Radman wrote:

>
> Gary et al,
>
> According to an article in March, '99 "Electronics Now"
> magazine -- the NE-602 is no longer manufactured. Contact:
>
> JDR Microdevices, 1850 South 10th St, San Jose, CA 95112
> or call 1-800-538-5000. They apparently have residual
> inventory.
>
> The same article states that the SA-602 is the drop-in
> replacement and is still in manufacture -- presumably
> available from JDR.
>

Date: Mon, 22 Feb 1999 07:31:59 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33798] Re: Anyone have a left over 10-turn pot?
Message-ID: <19990222153250.DYWZ5408@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce wrote

>>
What do you mean "if you live in a state that has a Mouser store"? They are a mail order dealer and serve the world, not just an isolated state like Frye's.
>>

There is a Mouser Store in California (where I live) so I had to pay an additional 8+ % sales tax If you lived in a state where Mouser does not have an outlet, you might have been able to avoid the sales tax.

Alan Kaul, W6RCL, LaCanada-Flintridge, CA

<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Mon, 22 Feb 1999 09:38:22 -0600
From: "Nathan Gordon" <kf9li@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33799] Fw: my 1340 does not work
Message-ID: <021101be5e79\$6275e5a0\$e46bfea9@nathan>

Can anyone help my brother? He has a TenTec 1340 kit he is trying to build and it is not working.

Thanks
Nathan KF9LI
kf9li@arrl.net

-----Original Message-----
From: Timothy D Gordon <aa9pz@juno.com>
Subject: my 1340 does not work

Hi,
I have a 1340 completed through phase 5. I have the transmit mixer and 7 MHz filters, the 11 MHz if stages with the mixer 11MHz IF amp, and the 11 MHz 4-pole crystal filter. There were no checks for the last phase, and now after finishing the BFO and audio amplifier and hooking it up, I am supposed to be able to peak a test signal. However, I only hear a faint whoosh from the speaker, and no test signal of any kind. I have tried it several times. The 11 MHz crystals are working, I hear them on a receiver, and I know my VFO works. what could be wrong?

David G. AA9PZ
aa9pz@juno.com

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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Feb 1999 07:42:06 -0800 (PST)

From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [33800] Where to find 1 watt 50 ohm resistors?
Message-ID: <19990222154206.190.rocketmail@send1e.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi gang,

I am looking for 1 watt 50 ohm resistors. Checked the usual places but can't seem to find a good source. Any one know where I can find some?

72!

Jeff

==

Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780
CW Forever!!!
Ghost Hunter
Owner of the Delta MudCats fantasy baseball team
Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 22 Feb 1999 09:44:45 -0600
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33801] Re: Anyone have a left over 10-turn pot?
Message-ID: <001101be5e7a\$45989080\$6c1115ac@classifiedventures.com>

In the case of mail order, if the company you are ordering from happens to have a distribution center in your state, they must collect sales tax from you, even if it's not a retail point, and even if it's not shipped from that point.

73 chris aa9hd

>Bruce wrote

>>>

>What do you mean "if you live in a state that has a Mouser store"? They
>are a mail order dealer and serve the world, not just an isolated state
>like Frye's.

>>>

Date: Mon, 22 Feb 1999 08:48:04 -0700

From: Rod Cerkoney <rlwc@frii.com>

To: radioruss@fuse.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [33802] Re: NE602 / 612 Replacement ??

Message-ID: <19990222084804.24982@frii.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

On Mon, Feb 22, 1999 at 10:18:55AM -0500, Russ Hines wrote:

> Radman, Gary, et al:

>

> The SA602/612 is a direct replacement. It's the same chip, just industrial

> specs (wider temp range mostly). I've had good luck with Allied

> Electronics. They have them in stock for reasonable prices. Check out

>

> <http://www.allied.avnet.com/>

>

Unfortunately, Allied has a \$50 minimum order. :-(

--

72/3 N0RC

Rod Cerkoney

Fort Collins, CO

QRP-L #1764

da di dah

Date: Mon, 22 Feb 1999 10:53:34 EST

From: SKIPNC90@aol.com

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [33803] FS: NorCal Cascade Kit

Message-ID: <5af184d4.36d17d7e@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I have an unbuilt NorCal Cascade kit for sale.
\$200 includes shipping.
This is a 20/75 meter VFO controlled SSB
transceiver.

Frequency coverage:
75 meter SSB - 3.750 to 3.950 MHz (can be set
to any 200 kHz range on 75/80 meters)
20 meter SSB - 14.150 to 14.350 MHz (band-edge
adjustment range +/- 20 kHz)

Transmitter: SSB only
75 meter LSB 8 watts pep
20 meter USB 5 watts pep

Receiver:
NE602 based Super-het,
9 MHz IF, 5 pole crystal filter 2.7 kHz 3db bandwidth
5 MHz LC VFO, 200kHz tuning with 8:1 vernier drive
built in.
Audio output > 1 watt into 8 ohms
Audio derived AGC
RF gain control

This is an extra one I was going to do the 40/17 meter
conversion to, I just have not gotten around to it. My
built Cascade with the silver mica caps installed
has 8 watts pep out on 75 mtrs and 4 watts pep out
on 20 meters. This is my SSB rig at home and is used
on 20 mtrs.

73, Skip Davis NC90

Date: Mon, 22 Feb 1999 08:52:59 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [33804] NC-20 HELP
Message-ID: <01BE5E40.C0CC87A0.bmug@gwl.com>

OK, I was able to come up with a NC-20. I promised not to reveal my source or
the details - I just hope my oldest son is well taken care of and someday will

understand.

I have a problem with Section 5 - VF0. It doesn't work. Let me explain what I've seen and maybe someone can help.

Q2 - J310 - appears to be pined (with the flat surface facing towards you) DSG (based on the traces).

With no power applied there is a short between D & S of Q2 (from the reading I have done this looks correct). G is grounded - through R11 and all three wires on L1 and S on Q2 go to ground (through the ground on L1).

With the power applied (13.5V) there is 8V at Q2-D and no other DC voltages anywhere else. Nothing at Q2-S (like the instructions say) so it appears that there is current at Q2-G but it doesn't appear to be oscillating as I have no AC at any point I can detect.

Any help here would be great!!!

One other thing I would like to LEARN. How does the circuit work. The way I think the circuit is should work is:

Power is applied to Q2-D and passes through to Q2-S this then goes to L1 and the rest of the VF0 which starts to oscillate sending AC to Q2-G. This then gets Q2 oscillating and gets old Q2 going and building and having a grand time rocking and rolling to old Elvis tunes all at around 5Mhz. All of this excitement builds up and is passed through C8 and the whole system starts rocking and a rolling.

Thanks

de KI00T, Brad

Date: Mon, 22 Feb 1999 11:08:49 EST
From: CQCL@aol.com
To: qrp-1@Lehigh.EDU
Subject: [33805] DX Test
Message-ID: <a3fa25c4.36d18111@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Didn't figure my score, but sure had a lot of fun for the time I had to operate in the ARRL DX Contest.

Worked 42 countries on all continents except Africa. Never heard even one African station. I was using the IC-730 at 5 watts most of the time and down to about 900mw for some. Worked 40 - 10m.

I also used the club call W0CQC running at 900mw (or less). Worked 22 countries on all continents except Africa. I have 3 SWR/Wattmeters -- 2 showed about 750-800mw and my main one, the MFJ which was pretty accurate a few years ago showed about 900mw.

Antenna is a G5RV up about 25 feet in the center and about 12-15 feet max on the ends here in the city. I sure envy the reports I have seen from some of you with big antennas.

72 and gud dx,

Rich High W0HEP
Aurora, Colorado
CQC #1, G-QRP #8446, NorCal
QRP-L #1817, ARRL - LM
Life=92s Too Short for \$800 Finals

Date: Mon, 22 Feb 1999 11:21:34 EST
From: Ed Loranger <we6w@juno.com>
To: w5usj@unicomp.net
Cc: qrp-l@Lehigh.EDU
Subject: [33806] Re: Copper pipe for ground rod
Message-ID: <19990222.081531.4719.0.we6w@juno.com>

All this talk of ground rods is really interesting. We shall always be searching for the best grounds wherever we go. Especially field operations.

I once saw the TV Show on public Television. "This Old House". They had these semi-rigid ground rods that fit on the end of a power tool, similar to a drill. Maybe they used a drill. They installed this 8 foot piece of copper tubing in under 15 seconds. Maybe 10 seconds.

I was very impressed! We are talking "zizza, zizza done". Bob Villa and company explained if it hit a rock, the

copper tubing would change directions underground and keep going.

Approved by the power company where the show was taped. I don't recall where. Now, I'm not in construction, but I bet someone has knowledge of this grounding method and I'd be interested in it.

Easiest no-brainer ground rod installation I've ever seen. No gloves required.

Hope this helps. -Ed
72, Ed WE6W, AR Millennium QSO's=459/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Feb 1999 08:37:17 -0800
From: James Bennett <jwbennett@sprintmail.com>
To: qrp-l@Lehigh.EDU
Subject: [33807] Norcal QRPizza Tomorrow!
Message-ID: <36D187BD.23A0BE29@sprintmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just a reminder, we will be getting together for pizza to welcome Dave Reid PA3HBB who is visiting the bay area on business.

Location: Round Table Pizza in Mountain View.
It is located on El Camino Real just West of 85 at El Camino and Grant.
Address: 157 East El Camino Real, Mountain View
Phone 650-968-4353
Date February 23
Time: 7PM

I have repies from several people, if you plan to be there, please drop me an email.
Don't forget to bring along something QRP related for for "show and tell"

Thanks,
72/73
James Bennett
KA5DVS/6

Date: Mon, 22 Feb 1999 09:35:00 -0700
From: Roy <marion@montana.com>
To: <qrp-1@Lehigh.EDU>
Subject: [33808] NE602-SA612
Message-ID: <199902221638.JAA05672@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dans Small parts has NE602s or SA612s for 2.75 each.

www.fix.net/~jparker/dans.html

No affiliation. Roy AB7CE, Montana

Date: Mon, 22 Feb 1999 09:34:54 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.edu
Subject: [33809] NC20 DX Contest
Message-ID: <199902221634.JAA14097@smtp02.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Got my NC20 together this past week...rcvr is outstanding but barely 5 W out with 13.8V supply, still working on this. Thought this weekend would be a good chance try a SO SB QRP attempt. Signals STRONG from everywhere...HG7 LP sig was almost as loud as SP and the 'echo' made hard copy for awhile. Lots of activity but needed more repeats and couldn't raise many I called. Condx? Or sigs so strong they were listening only for QRO sigs(62 of 97 worked were 500-KW). Didn't hear much from Japan, Asia or the Pacific...even SA was sparse....they must have been on the higher bands. Had some blocking from strong sigs so turned AGC back and turned RF gain back; that improved it but still some. Missed using 15M and 10M ...probably would have done better overall score but for single band operation, the NC20 proved to be a great performer.

Picked up two new ones, TZ and IS for new QRP total of 144.

Heard/worked only one QRP...LU1FN/QRP.

Band	Raw Qs	Valid Qs	Points	Countries
20CW	97	96	282	45

Final Score = 12,960 points

Equipment: NC20 @ 5Watts, Ant:3 el Triband @ 45',
ThinkPad and TR-Log, CMOSIII

Note: Installed jack on the back of the NC20 tied to K on PCB and used
'standard' interface for computer and CMOSIII keying.

QRP'rs Attention!! Don't forget to send your reports to ARRL
73 Floyd NQ7X Phoenix ScQRPion

Date: Mon, 22 Feb 1999 11:45:15 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33810] Re: Anyone have a left over 10-turn pot?
Message-ID: <36D1899B.2130@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Alan, and the group,

I stand corrected, Mouser apparently does have a Retail outlet somewhere
in California. Sales tax, however, you pay in any state wheer you buy
unless by mail and I believe that has been challenged too.

73

Date: Mon, 22 Feb 1999 12:01:17 -0500
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>, njqrp <njqrp@njqrp.org>
Cc: "Dave, aa2pf" <daj73s@aol.com>
Subject: [33811] Miliwatt'en
Message-ID: <36D18D5D.AFB085C@amsat.org>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

When the aliens come
They will find the qro's first

Posting this for Dave, AA2PF.

Dave has been making lots of contacts on 10 and 20 miliwatts with a modified FT 840 and an inline Weltz qrp watt meter.

Recently from his home qth nr Buffalo he picked up RI on 10mw and Mn on 20mw(I think that converts to a zillion miles per watt). He is looking for mw/mw schedules. Anyone interested in making miliwatt/miliwatt contacts, please get in touch with Dave directly at:

"Dave, aa2pf" <daj73s@aol.com>

Thanks
David,n2zhy
Princeton,NJ

Date: Mon, 22 Feb 1999 09:16:32 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33812] Homemade ladder line
Message-ID: <199902221716.JAA15886@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm considering making my own ladder line, and I'd hoped the group would give me the benefit of their experience.

What I propose to do is to cut some sections of 1/2-inch PVC pipe, probably 4 inches long. I would then drill holes 1/2 inch in from either side to fit some 14-guage house wire. I would place the pipe sections about 6 to 8 inches apart, and then fill the open ends with silicon caulk until it oozes out by the wire.

This would be attached to a 102-foot dipole made of uninsulated 14-guage house wire and be tuned to the appropriate band.

Is this a good idea, bad idea, or what? Am I on the right track or completely out of the ball park?

Any suggestions would be welcome.

--Frank, AB7YT

Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com -==*- (509) 326-7147 -==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people."

Date: Mon, 22 Feb 1999 12:25:48 -0500
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: njqrp <njqrp@njqrp.org>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [33813] Jersey Fireball
Message-ID: <36D1931C.CC80CC3B@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

When the aliens come
They will find the qro's first

Looking for Jersey Fireball contacts!

I will be on the 7.080.2 1 hour before both foxhunts this week.
I will be doing my best beacon imitation sending n2zhy/qro(50w),
n2zhy/qrp(5w) and lastly n2zhy/qrpp(40mw). Please come back to me with
whatever pwr necessary for a contact.

Hopefully, lots of Fireball/Fireball contacts will be made.

Thanks
David,n2zhy
Princeton,NJ

Date: Mon, 22 Feb 1999 09:25:04 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: fgrig@iea.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33814] Re: Homemade ladder line

Message-ID: <36D192F0.50C26F2E@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Frank Grigaliunas wrote:

>

> What I propose to do is to cut some sections of 1/2-inch PVC pipe, probably
> 4 inches long. I would then drill holes 1/2 inch in from either side to
> fit some 14-gauge house wire. I would place the pipe sections about 6 to 8
> inches apart, and then fill the open ends with silicon caulk until it oozes
> out by the wire.

Why bother with the silicone caulk? Just leave the ends open; the water will run out. The caulk will add unneeded weight. Tie the wire to the pipe with a piece of #22 wire. 6 inches is a good width; I don't recall exactly, but I think 6" and #12 wire will give about 600 ohms. Maybe 4" would be better for #14 wire. Look in the ARRL Handbook or Antenna Book. 8" is too wide unless you need the higher impedance for some reason.

73,
Vic, K2VC0
Fresno CA

Date: Mon, 22 Feb 1999 09:29:09 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33815] Re: Homemade ladder line
Message-ID: <36D193E5.62727162@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Arrgh, I didn't read your message carefully before shooting from the hip. You were talking about 6" or 8" spacing *between* the spreaders! I think you probably can use 12" spacing, or more if you can keep the line under tension. Variations in spacing are not that serious.

73,
Vic, K2VC0
Fresno CA

Date: Mon, 22 Feb 1999 09:35:11 -0800
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33816] NE-602s for \$1.99 ea....
Message-ID: <199902221733.JAA20116@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

JDR Microdevices in San Jose, CA stocks the NE-602AN for \$1.99 ea -- *no* minimum purchase. You can mail-order by phone:

1-800-538-5000. They take every imaginable brand of plastic (and money) and will ship any way you like: UPS, USPS, FedEx, etc....

Standard disclaimer... :-)

Hope this helps,

72 - Conrad Weiss - NN6CW

Date: Mon, 22 Feb 1999 12:35 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: Frank Grigaliunas <fgrig@iea.com>, QRP-L@lehigh.edu
Subject: [33817] Re: Homemade ladder line
Message-ID: <19990222173600.BMW27406@localhost>

Frank,

I made my own ladder line about 15 years ago, for free. I used some 10 gauge insulated wire that work threw out, with some solid plastic spacers I made by notching into a V at the ends, then drilled a hole next to the ends for a wire tie that I have millions of....

The formula for the impedance is in the handbook, I had mine spaced about 3 inches apart.

I used a solid plastic spacer so the snow and ice would not get inside the spacers. I don't remember where I got the plastic spacers, except it was free, or very cheap...any plastic will do...

The antenna worked great, but I had too much rf in the shack to work a kw + of AM....I did the 120 foot dipole, then 60 ft of ladder line, then coax into a tuner.

Great antenna to tune up, and for operating on all sorts of frequencies.

Brett
N2DTS

Date: Mon, 22 Feb 1999 12:36:03 -0600
From: "Brad Bradfield, PE" <b_bradfield@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [33818] re: UPS vs. USPS
Message-ID: <36D1A391.3E733546@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've had excellent results in the last year and a half or so with Priority Mail. I think it's \$3.20 now (forget for sure what it went up to in January) for a small package, and have never had a problem with non-delivery or damage. UPS has gotten very user unfriendly in the past couple years. One UPS manager told me that they were really trying to get out of the counter service and stick to business service only.

Oh, well.

72's es 73's,

Brad, W5CGH

Date: Mon, 22 Feb 1999 11:57:22 -0500
From: W5TB <w5tb@SoftHome.net>
To: fgrig@iea.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33819] Re: Homemade ladder line
Message-ID: <v04011706b2f73ca78a35@[10.4.13.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 9:16 AM -0800 2/22/99, Frank Grigaliunas wrote:

>I'm considering making my own ladder line...

>Is this a good idea, bad idea, or what?

Not a bad idea at all frank. See

http://www.natworld.com/ars/pages/back_issues/0698_text/ffd.html

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>

QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365

ARRL Life Member

Date: Mon, 22 Feb 1999 13:02:18 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [33820] Jersey on 10M at 1320Z 2/22/99
Message-ID: <36D19BAA.6672F167@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Surprised to get a call from GJ3EEC--579 on his dipole.
Bands sounded flat, so I called CQ QRP with 3.5W/yagi.
Zack W1VT

Date: Mon, 22 Feb 1999 13:17:01 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [33821] 15-M MFJ CW rig
Message-ID: <4dfc632.36d19f1d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi ang,

Today I received 5 MO's for the MFJ 15-M rig and 4 saying to ship it with
keyer or filter.

1. The 15-M had no options

2 I made a post asking for the buyers to confirm the sale and they did.

The 30-M is sold
The 15-M is sold
The 17-M is sold
I have 1 20-M left and I'm waiting for a VE3 station to confirm the sale.
This also has no options.
I don't have my first posting so i'll assume that I made a typo and remove the filter from my 40-M and install it in the 15-M.
Sorry for all the confusion but some of you mailed me from 2 and even 3 different *E* mail accounts.
I also have two checks here from the same person for two different rigs.
I printed all my mail and no one is on the list for a rig from NC.
Bob
WA2HOQrp <tm>

Date: Mon, 22 Feb 1999 13:24:09 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [33822] FS ARGOSY 525
Message-ID: <2dfd8134.36d1a0c9@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Well it looks like the sale on the Argosy fell through.
Never received a MO so
One more time.
Argosy-525 With 1.6 SSB filter,calibrator,CW/SSB audio filter option from Embedded Research.
50-W high and 5 W low
This rig had a total alignment and has a rock solid PT0.
FIRST *E* MAIL OR CALL+++++++ 609-298-8544
+++++++FAX+++++++ 609-298-8862
\$210.00 Shipped
Thank You
Bob
WA2HOQ

Date: Mon, 22 Feb 99 13:21:02 EST
From: jeverhar@cse.l-3com.com
To: jwbennett@sprintmail.com
Cc: qrp-l@lehigh.edu
Subject: [33823] Re: Norcal QRPizza Tomorrow!
Message-ID: <9902221821.AA13438@train11.cse.l-3com.com>

James,

Gee, I'd just *love* to make it to the QRPizza bash! Unfortunatelly the drive is a tad too far...

No fortunate scheduling of business trips this time around. :-)

Not only do I miss seeing you guys, but I really miss the elctronics stores out there in Silicon Valley. It is *such* a bother not having HSC, Fryes and Alltronics to zip over to when I need something quickly.

Enjoy yourselves and think of us poor frozen NJQRP'ers back east!

Oh yeah, and we will think of you at Atlanticon!

72/73,

Joe E., N2CX

Date: Mon, 22 Feb 1999 09:35:35 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: PUNISHER3@aol.com
Cc: qrp-l <qrp-l@Lehigh.EDU>
Subject: [33824] Re: I DID IT!! I PASSED MY EXTRA!!
Message-ID: <36D19567.41C29D84@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ben,

Congrats on your EXTRAordinary accomplishment. You have a great deal to be proud of. Like you, I was first licensed at the age of 12 as a Novice. In my case, however, I went through each class and didn't reach Extra until after a BSEE and 41 years. I passed the Extra on the 6th of this month and share the excitement with you. Made my first contacts in the Extra portion of 20 yesterday during the contest. Isn't it great?

73, de Arth W6AGS

Date: Mon, 22 Feb 1999 12:14:13 -0800

From: Ray Colbert <af852@rgfn.epcc.edu>
To: fgrig@iea.com, qrp-1@lehigh.edu
Subject: [33825] Re: Homemade ladder line
Message-ID: <36D1BA89.5A09@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Another item you might consider using rather than pvc is plastic hair curlers - already cut to approximately the right length, some have holes in the ends that are usable, lightweight, and depending on which type, vary in size. As I recall, some of those that are used with the permanent kits are small diameter and may be more suitable. May save a lot of sawing, etc.

--

Ray Colbert,
(also w5xe@juno.com)
El Paso, Texas (Far West Texas)

Date: Mon, 22 Feb 1999 11:11:46 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: b_bradfield@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [33826] Re: UPS vs. USPS
Message-ID: <36D1ABF2.AC682486@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brad Bradfield, PE wrote:

UPS has gotten very user unfriendly in the past
> couple years. One UPS manager told me that they were really trying to
> get out of the counter service and stick to business service only.

As far as the UPS employees, those of us at the office are wondering if something drastic happened after the prolonged strike was settled.

We have had one UPS driver servicing our office for several years now; probably at least five years. I've ordered numerous books, ham radios, two desktop and one notebook computer and many peripherals for myself, and had them delivered here. This driver used to bring these boxes, often heavy, right to my office. If I was out of the office, he would

track me down in either of the two buildings. Now, he just drops things off at the front with the clerks. They say that he doesn't smile or even say "hello" any longer. I've heard that UPS is not good to its employees.

72 de Jim - AD6CW

Date: Mon, 22 Feb 1999 13:26:00 -0600
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33827] TENTEC 2M Sold
Message-ID: <001301be5e99\$2e02df60\$6c1115ac@classifiedventures.com>

Folks--

the Ten Tec 2M FM radio is sold.

73, chris aa9hd

Date: Mon, 22 Feb 1999 14:28:36 -0500 (EST)
From: malman@world.std.com (joel malman)
To: qrp-l@Lehigh.EDU
Subject: [33828] USP / USPS / etc
Message-ID: <199902221928.AA24586@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have heard that the USPS is going to add a 'tracking' feature to their delivery service... so just like FedEx and UPS you will be able to track your package as it gets delivered (or delivered late or lost).

The new service is supposed to start at the end of this summer, probably in the September time frame.

Any USPS people out there? Can you confirm that this is going to happen.

Anyone else see another rate increase about to happen?

--
/joel K1QM (Ex-wa1qvm) Concord, Massachusetts

QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Mon, 22 Feb 1999 14:52:25 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [33829] FS ARGOSY 525
Message-ID: <14299fe8.36d1b579@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The person faxing me,you have an error on you'r end.
You'r fax is not making it.
Call 609-298-8544
Will be here for a half hour
Bob
WA2HQrp <tm>

Date: Mon, 22 Feb 1999 12:57:21 -0700 (MST)
From: Gary Hembree <gary.hembree@asu.edu>
To: 3830@contesting.com, qrp-l@lehigh.edu, CADXA@LISTSERV.TEMPE.GOV
Subject: [33830] N7IR ARRL DX CW SO QRP
Message-ID: <3.0.32.19990222125748.009089b0@imap4.asu.edu>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

ARRL INTERNATIONAL DX CONTEST -- 1999

Call: N7IR Section: Arizona
Mode: CW Category: Single Operator QRP

BAND	QSO	QSO PTS	COUNTRIES
------	-----	---------	-----------

160	11	33	7
80	24	72	15
40	143	429	48
20	146	438	54
15	211	633	60
10	189	567	59

Totals 724 2172 243 = 527,796

All reports sent were 599 AZ, unless otherwise noted.

Equipment Description:

2 TenTec 546C Transceivers at 5 watts out
20/15/10 meters: Force 12 5BA at 73' and Force 12 C3S at 40'
40 meters: Force 12 EF240/230 at 84' and delta loop
80 meters: delta loop
160 meters: Shunt-fed 88' top-loaded vertical
486-120 running CT 9.10a

Club Affiliation: Central Arizona DX Association

Soapbox:

Personal best in this contest. Great to have 10 meters back!
Second radio was used for some Caribbean and Central/South America
Q's and 80/160. 99% search and pounce this year.

73

Gary, N7IR
DM43bi (aka NW Chandler, AZ USA)

Date: Mon, 22 Feb 1999 14:34:29 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [33831] FS Sierra Cabinet
Message-ID: <36D1B145.1F49@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FOR SALE: new, unpacked, Sierra cabinet with front and rear panels plus
hardware. Asking 20.00 dollars (postpaid). Reason for sale? Just
ordered NORCAL Zombie T-shirt (this will pay for it).

Joe Mikuckis, K3CHP
6913 Furman Pkwy
Riverdale, MD 20737-3016
(301)459-0084
k3chp@erols.com

Date: Mon, 22 Feb 1999 15:19:18 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: malman@world.std.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33832] Re: USP / USPS / etc
Message-ID: <3.0.5.32.19990222151918.007e4120@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I confirmed that their will be tracking available, but was not able to confirm if there will be an additional charge for this.

72/73 de Scott/n3byy
Fists #5030

At 02:28 PM 02/22/1999 -0500, joel malman wrote:

>I have heard that the USPS is going to add a 'tracking' feature to
>their delivery service... so just like FedEx and UPS you will be able
>to track your package as it gets delivered (or delivered late or

Date: Sun, 21 Feb 1999 21:11:27 +0000
From: Dick Pascoe <Dick@kanga.demon.co.uk>
To: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
Cc: gqrp-1@blacksheep.org, qrp-1@lehigh.edu
Subject: [33833] Re: GQRP - Surface mount projects, almost painless, maybe?
Message-ID: <jGkhHTA\$ZH02EwVT@kanga.demon.co.uk>
MIME-Version: 1.0

In message <199902192126.NAA10527@netcom13.netcom.com>, Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com> writes

>Also, in looking at the Maplin catalog, there is a program called
>"Stripboard Magic" that is claimed to do stripboard layouts from
>schematics. Does it work?

Oh Doug, you must have been asleep during my talk at Dayton last year when I discussed this program. It is excellent for doing strip board layouts. Like many of this type it does have small problems but generally it does what it says.

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products

Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Mon, 22 Feb 1999 15:16:46 -0500
From: Thaire Bryant <tbry37@ici.net>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
Subject: [33834] FW: DL-QRP-PA
Message-ID: <01BE5E78.5C31B300.tbry37@ici.net>

I received this today concerning the DL-QRP-PA's

Thaire W2APF
-----Original Message-----
From: Funkamateur [SMTP:Funkamateur@compuserve.com]
Sent: Monday, February 22, 1999 2:18 PM
To: W2APF
Subject: DL-QRP-PA

Dear OM,

unfortunately there is a delay in sending out the DL-QRP-PA due to problems with costumes at the Czech/German border.
The assembled kits have been announced from our Czech partner 2 weeks ago. We are waiting for the kits 24 hours each day. Please give us another few days to solve this problem.

Best wishes and take care

de Knut
DG0ZB

Date: Mon, 22 Feb 1999 12:35:27 -0800
From: "Bruce" <Bruce2@prodigy.net>
To: <Qrp-1@lehigh.edu>
Subject: [33835] Grounds and ground rods.
Message-ID: <005d01be5ea2\$e2ec4340\$96809cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Everyone needs to understand that there is a huge difference between a electrical ground and a RF ground.

>From what I am seeing not a lot of people are aware of this. Many are confused as to what grounds really should be. Most seem to consider a ground rod to be the total answer to grounding-period. Not true, gang.

Bruce WB4WZL

Date: Mon, 22 Feb 1999 16:04:29 -0500
From: "George Heron" <gheron@nac.net>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [33836] Re: Order Status for FB40, Amps, & AOK
Message-ID: <02d501be5ea7\$4395e940\$c5327bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In case anyone had problems using the instructions I sent yesterday for automatically-returned kit status, I've corrected the case-sensitivity of the filenames on the server and the following instructions will now work just fine:

To find out if your FIREBALL 40 order has been received, put SEND FB40REVB in the body of an email ...

To find out if your FB40 AMPLIFIER order has been received, put SEND FB40AMP in the body of an email ...

To find out if your Rainbow "Add-On Kit" order has been received, put SEND AOK in the body of an email ...

... and send your email to EMBOT@NJQRP.ORG to receive the complete list of orders by return email almost instantaneously.

72/73,

--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ
for the NJ-QRP Club at <http://www.njqrp.org>

Date: Mon, 22 Feb 1999 21:16:04 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu
Subject: [33837] Earthing
Message-ID: <E10F2ha-0007dD-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've followed the thread on getting earth rods in with interest, it's interesting to see the same advice going the rounds again. HI.

However, given that all these techniques are fine for getting a low impedance earth for 50Hz, which is what most of the books on earthing are concerned with, I am always left wondering just how good these earths are at higher frequencies.

For instance, as the frequency is increased, the effective 'earth' given by a rod would, to my mind, be less effective than a counterpoise of say 1/4 wavelength laid on the top of the soil with no attempt at driving any rods in.

Before the arguments start about lightening, and 50Hz electrical earthing, I am only trying to consider RF earthing here, I'm taking as read that you need to have lightening and electricity earthing.

De Dave (G0DJA)

Date: Mon, 22 Feb 1999 16:32:19 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [33838] Re: Grounds and ground rods.
Message-ID: <36D18693.A0641BA5@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

bruce2@prodigy.net wrote:

>

> Everyone needs to understand that there is a huge difference between a
> electrical ground and a RF ground.
> >From what I am seeing not a lot of people are aware of this. Many are
> confused as to what grounds really should be. Most seem to consider a ground
> rod to be the total answer to grounding-period. Not true, gang.

This is very true and can get very involved depending on how much you want to get into it.

You can have;

Lightning safety ground
Electrical service safety ground
RF ground
Antenna ground
Digital noise ground
Digital signal ground
Secure signal ground
etc.

Grounds are either return paths or are a place to dissipate unwanted signal.

Safety grounds may be called on to dump large amounts of energy in a hurry.

They need to be big, strong and unbreakable.

Antenna grounds are a part of the antenna (radials) and may benefit from being tuned.

Signal grounds are usually isolated everywhere except one place where they connect to the main ground.

Noise grounds can simply be a large amount of conductor combined with a lossy dielectric so that all of the unwanted energy is turned into heat.

Most hams don't need to worry about most of this. A good safety ground and a RF ground are fine, if they have unbalanced antennas then add the antenna ground. If you are trying to keep crypto systems secure, then it gets a lot more tricky. :-))

michael N6CHV (a former secure teletype tech)

Date: Mon, 22 Feb 1999 13:34:58 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-1@lehigh.edu>

Subject: [33839] Re: Where to find 1 watt 50 ohm resistors? FOUND!
Message-ID: <19990222213458.15670.rocketmail@send104.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> > I am looking for 1 watt 50 ohm resistors. Checked the usual
> > places but can't seem to find a good source. Any one know where I can
> > find some?

I found some some 50 ohm 1 watters at

<http://telepath.com/dwarders/>

for 30 cents each! They are not wire wound and are carbon film type.
Looks like they will fit my needs.

72!

Jeff

==

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 22 Feb 1999 13:34:52 -0800

From: Bill Jones <kd7s@psnw.com>

To: qrp-l@lehigh.edu

Subject: [33840] Stripboard Magic

Message-ID: <36D1CD7C.C6A551A@psnw.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Is Stripboard Magic available from any vendors in the
U.S.A.?

Date: Mon, 22 Feb 1999 15:39:37 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-1@lehigh.edu>
Subject: [33841] RE: Earthing
Message-ID: <000a01be5eab\$d8eecda0\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I think what it boils down to is the following:

For lightning and static dissipation: drive those ground rods, bury the pipes, whatever you need to do. Here in our good ol' Missouri clay we have five 8-foot copper rods driven - one at the base of the tower, one on each guy wire, and one right outside the shack for all the rigs. We had a direct strike and it blew apart the Cushcraft ARX-270B dual-band vertical on top and toasted a VHF/UHF wattmeter (it wasn't on the ground bus), but everything else including all of the HF equipment survived.

For an ***RF*** ground: Radials ;)

There is a difference...look it up in the ARRL Handbook if you need further info...

73,
Nathan
KB0NNV

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Dave Ackrill
Sent: Monday, February 22, 1999 11:16 PM
To: Low Power Amateur Radio Discussion
Subject: Earthing

I've followed the thread on getting earth rods in with interest, it's interesting to see the same advice going the rounds again. HI.

However, given that all these techniques are fine for getting a low impedance earth for 50Hz, which is what most of the books on earthing are concerned with, I am always left wondering just how good these earths are at higher frequencies.

For instance, as the frequency is increased, the effective 'earth' given by a rod would, to my mind, be less effective than a counterpoise of say 1/4 wavelength laid on the top of the soil with no attempt at driving any rods in.

Before the arguments start about lightening, and 50Hz electrical earthing, I am only trying to consider RF earthing here, I'm taking as read that you need to have lightening and electricity earthing.

De Dave (G0DJA)

Date: Mon, 28 Dec 1998 17:11:59 -0500
From: Andy C Meng <andymeng@juno.com>
To: qrp-l@lehigh.edu
Subject: [33842] ground wires
Message-ID: <19981228.171204.11958.0.andymeng@juno.com>

I have a long length of #2 wire, and I want to use it as a ground. I plan to use a spade to make a long slit in the ground (20 ft maybe) about a foot deep, and after I grind off the insulation (it's really hard) I will shove it down in the slit. Eventually I hope to have a transitrapp or similar surge protector. Is there any way to homebrew these? OK once you have your ground, what do you hook it up to? I am using an SW40+ coax fed w/no tuner into a dipole. Will grounding it make a big difference?

QSL stock: my dad is planning to get some tonight. I guess he went to the wrong place last time

DX contest: I got some advice from an OM to stay up till midnight or 1 AM when the W's started clearing out and the Europeans started coming in. Well, I got up at 2AM and listened. The band was still full! I was amazed that anyone would be crazy enough to be on that late/early. I think the problem was that my code is only up to about 15WPM. I didn't get any QSO's but I didn't try that long either.

Thanks es 72,

Andy

Andy KC8KFI QRP-L #1813 Cincinnati, OH
E-Mail: andymeng@juno.com E-Mail w/ attachments: kc8kfi@yahoo.com

URL: <http://www.qsl.net/kc8kfi>
Total HF QRP CW QSO's: 15

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Feb 1999 17:22:26 -0500
From: Donald E Sanders <w4bws@juno.com>
To: n1tp@worldnet.att.net
Cc: qrp-1@Lehigh.EDU
Subject: [33843] Re: PORTABLE ANTENNA MAST
Message-ID: <19990222.172459.3670.5.w4bws@juno.com>

I saw these 10 meter long masts at the Orlando Hamfest
and they are really strong and great for portable antennas.
I plan to get two by summer for fieldday and other uses.
Kanga USA may also carry the loop antenna for 40 thru 10
made by DK9SU. He had one installed on the mast in
diamond fashion- looked really good and light weight.

Donald Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937
407-779-0222 Fax 407-779-0830
W4BWS@juno.com
My favorite QRP rig glows in the dark

On Sun, 21 Feb 1999 22:43:17 -0500 Tom Palmer <n1tp@worldnet.att.net>
writes:

>Anyone interested in a nifty portable, light weight mast?

>

>check out:

>

><http://www.bright.net/~kanga/kanga/>

>

>and open the page for DK9SQ Mast

>

>or go direct to:

>

><http://www.bright.net/~kanga/kanga/dk9sqpic.htm>

>

>Tom, N1TP, Naples, Florida.

>

Date: Mon, 22 Feb 1999 13:11:18 -0800
From: Marv Fagenson <k6hcj@juno.com>
To: we6w@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [33844] Re: Copper pipe for ground rod
Message-ID: <19990222.143702.-221651.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have used a jack hammer and the copper pipe goes into the ground with no problems. Hi Ed.
Marv Fagenson
k6hcj@Juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Feb 1999 22:40:05 -0000
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "GQRP list" <qrp-1@blacksheep.org>, <qrp-1@lehigh.edu>
Subject: [33845] Re: GQRP - Surface mount projects, almost painless, maybe?
Message-ID: <000201be5eb4\$f07b76e0\$913963c3@p75>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was operating the slide projector for Dick's talk, and I was nodding off...
Mind you, that *may* have been because of the late nights :-)

72
Tony - G4WIF/K4WIF

-----Original Message-----
From: Dick Pascoe <Dick@kanga.demon.co.uk>

>Oh Doug, you must have been asleep during my talk at Dayton last year
>when I discussed this program. It is excellent for doing strip board
>layouts. Like many of this type it does have small problems but

>generally it does what it says.

>

>TTFN de ..

>--

>Dick Pascoe G0BPS

>Kanga Products

Date: Mon, 22 Feb 1999 17:28:46 EST

From: DYARNES@aol.com

To: ccieslak@law.uiuc.edu, qrp-1@lehigh.edu

Subject: [33846] Re: Anyone have a left over 10-turn pot?

Message-ID: <5685ad0.36d1da1e@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

In a message dated 2/22/99 10:56:03 AM EST, ccieslak@law.uiuc.edu writes:

<< In the case of mail order, if the company you are ordering from happens to have a distribution center in your state, they must collect sales tax from you, even if it's not a retail point, and even if it's not shipped from that point. >>

Actually, to be more precise it revolves around whether or not the company is "licensed to do business" in a particular state. This means whether or not it is actively involved in conducting business activities within a state (either retail, wholesale, or whatever). Usually, just having salesmen in a state does not rise to the level of a company needing to register as "doing business" in a state. It usually requires some kind of business location with employees, assets, etc. If they don't meet this test, they don't have to collect sales tax on a mail or phone order from that state since it is "interstate commerce". This has been well established law for some time and has been upheld by the U.S. Supreme Court (multiple times). But not all companies follow it. So, It usually pays to ask first whether or not they plan to charge you sales tax or not. Also, there is considerable speculation that Congress may change this rule some day soon. Lots of pressure to do so (and there has been such for a long time), but especially now due to the increase in interstate activity brought about by the internet. The magnitude of the internet will probably be sufficient to make this happen.

There, enough said.

72 de Dave W7AQK

Date: Mon, 22 Feb 1999 16:44:26 -0600
From: applitech@mcg.net (Claton Cadmus)
To: <fgrig@iea.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33847] Re: Homemade ladder line
Message-ID: <01f301be5eb5\$6eb80dc0\$a10a5e2c@groucho>

Frank Grigaliunas <fgrig@iea.com> wrote:

>I'm considering making my own ladder line, and I'd hoped the group would
>give me the benefit of their experience.

Unless you just want to do this, I would recommend buying ladder line instead. At \$17.00 per 100 feet it's tough to save any money. I just bought some 14ga house wire and it's 7 cents a foot so you'd have 14 cents a foot in the wire alone. I really like the new 300 ohm ladder line available now, it's only about 1/2 inch wide and much less noticable 450 ohm ladder line or homebrew line.

>What I propose to do is to cut some sections of 1/2-inch PVC pipe,
probably
>4 inches long. I would then drill holes 1/2 inch in from either side to
>fit some 14-guage house wire. I would place the pipe sections about 6 to
8
>inches apart, and then fill the open ends with silicon caulk until it
oozes
>out by the wire.

Well if you do make your own, skip the caulk. use a short lenght of smaller wire wrapped below and above the spreader to keep it in place. Another technique is to install a wire tie around the wire in the tube. Make should you get UV resistant wire ties.

>This would be attached to a 102-foot dipole made of uninsulated 14-guage
>house wire and be tuned to the appropriate band.

Leave the insulation on, it will work just as well.

Hope this helps,

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 22 Feb 1999 14:47:48 -0800
From: "KQ6XY" <kq6xy@golldrush.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [33848] Portable QRP antenna question
Message-ID: <012301be5eb5\$5ed5bd30\$05a9abce@golldrush.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am planning to do some QRP work on the top of a mountain that has no trees, so I was wondering if someone could recommend a good, portable multi-bank HF antenna that I might use.

Thanks,
--Larry

<http://www.tusoni.com> kq6xy@golldrush.com
"Cross country skiing is great if you live in a small country." - Steve Wright

Date: Mon, 22 Feb 1999 17:56:51 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-1@Lehigh.EDU
Subject: [33849] Re: PORTABLE ANTENNA MAST
Message-ID: <199902222255.RAA25990@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I carry the mast, the 10-40 loopm and the W3DZZ dipole...

> I saw these 10 meter long masts at the Orlando Hamfest
> and they are really strong and great for portable antennas.
> I plan to get two by summer for fieldday and other uses.

> Kanga USA may also carry the loop antenna for 40 thru 10
> made by DK9SU. He had one installed on the mast in
> diamond fashion- looked really good and light weight.
>
> Donald Sanders W4BWS
> 694 E. Eau Gallie Blvd. Satellite Beach, FL 32937
> 407-779-0222 Fax 407-779-0830
> W4BWS@juno.com
> My favorite QRP rig glows in the dark
>
> On Sun, 21 Feb 1999 22:43:17 -0500 Tom Palmer <n1tp@worldnet.att.net>
> writes:
> >Anyone interested in a nifty portable, light weight mast?
> >
> >check out:
> >
> ><http://www.bright.net/~kanga/kanga/>
> >
> >and open the page for DK9SQ Mast
> >
> >or go direct to:
> >
> ><http://www.bright.net/~kanga/kanga/dk9sqpic.htm>
> >
> >Tom, N1TP, Naples, Florida.
> >
>

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Mon, 22 Feb 1999 16:59:08 -0600
From: John M Andrews <n5inz@juno.com>
To: qrp-1@lehigh.edu
Subject: [33850] Nifty Flashing light.....
Message-ID: <19990222.165909.3398.10.N5INZ@juno.com>

I'm in the midst of moving and had some concerns about home security. Ran up on these as a temporary measure for my fake burglar alarm.

Flashing LED claimed to last 100 hours within a circular disk with a red plastic defuser. Very bright. Hard to tell the model # but looks like SRM Safety Flasher.

These look like the conventional red reflectors you might find on small household trailers except they are about 2".

Some uses:

Attach to guys at camp site.
Give to the kids(to keep track at night)
Distress marker.

2 replaceable batteries. Belt clip. 1.99 in single qty's.

Buztronics
7736 Zionsville Rd #200
Indianapolis, In 46268

This looks like a good group buy, wish I had the time.
Usual disclaimers.
N5INZ

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 22 Feb 1999 15:03:15 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33851] Re: Homemade ladder line
Message-ID: <36D1E233.795C691F@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Claton Cadmus wrote:

>

> Unless you just want to do this, I would recommend buying ladder line
> instead. At \$17.00 per 100 feet it's tough to save any money. I just
> bought some 14ga house wire and it's 7 cents a foot so you'd have 14 cents
> a foot in the wire alone.

One advantage of the homebrew stuff is that ladder line is affected by

moisture. I have a long run of ladder line feeding my dipole, and when it rains I have to retune the antenna tuner as it gets wetter and again as it dries out. I think this is worse on bands where the swr is high; the water probably affects the voltage nodes more.

Next time I am thinking about snipping out large portions of the polyethylene before putting it up (the 'rungs' don't need to be so wide), and maybe waxing the stuff with some car wax to make it like a duck's back.

73,
Vic, K2VCO
Fresno CA

Date: Mon, 22 Feb 1999 18:09:47 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-1@lehigh.edu
Subject: [33852] WHAT WAS I THINKING?
Message-ID: <36D1E3BB.43A2@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wrote:

> Part of the problem may be that a "50" ohm resistor is not one of the
> standard values. You may be able to use a 1-watt, 52 ohm resistor,
> more than likely.

Oh, the shame! He will have even more trouble finding that "standard" 52-ohm resistor than he would the 50... (Sheepish :-) appended.)

Most of you know, but the nearest "standard" resistor values would be 47 or 56 ohms in 10% values, with 51 ohms available in a 5% value.

I guess I had coax on my mind, or a little too much RF exposure. :-) I really do know better. :-)

73,
Ed, W1RFI

Date: Mon, 22 Feb 1999 15:29:10 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>

To: Tony Fishpool <g4wif@btinternet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33853] Re: GQRP - Surface mount projects, almost painless, maybe?
Message-ID: <Pine.SOL.3.96.990222152719.20459B-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 22 Feb 1999, Tony Fishpool wrote:

> I was operating the slide projector for Dick's talk, and I was nodding
> off...

Darn, no wonder I missed all that good info, I was following
your lead!

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 22 Feb 1999 15:34:02 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [33854] Re: Homemade ladder line
Message-ID: <36D1E96A.E2747A0E@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Vic Rosenthal wrote:

>
> I think this is worse on bands where the swr is high; the water probably affects
> the voltage nodes more.

Splut. Voltage *loops*, I meant.

73,
Vic, K2VCO
Fresno CA

Date: Mon, 22 Feb 1999 17:35:24 -0600
From: applitech@mcg.net (Claton Cadmus)
To: <rakefet@rakefet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33855] Re: Homemade ladder line
Message-ID: <024d01be5ebe\$3d3c1ee0\$a10a5e2c@groucho>

----- Original Message -----

Vic Rosenthal <rakefet@rakefet.com wrote:
>and maybe waxing
>the stuff with some car wax to make it like a duck's back.

Waxing ladder line will greatly reduce detuning of ladder line during periods of rain. I personally don't do this as it seems here in Minnesota if it raining it's lightning too and the antennas get grounded and rigs disconnected. It's really quite rare to have a gentle rain coincide with free time to operate here. Your milage may vary.

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 22 Feb 1999 18:55:01 -0600
From: Peter James <mrpj@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [33856] Paragon on QRP
Message-ID: <3.0.5.32.19990222185501.007d32f0@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone know how to lower the power on a Ten Tec paragon? I think I've read that it only takes one resistor change in the ALC, but don't have any details. Can anyone help?
Thanks. 73, 72, Pete, WM4U

End of QRP-L Digest 1375
